حمل الآن

مجانا وحصريا

المراجعة رقم (1)

الترم الثانى





Second Term Questions Bank

Question 01 Choose the correct answer

1. The point..... lies in the third quadrant

(a) (- 5, 2) (b) (5, 2) (c) (-5, - 2) (d) (5, - 2)

2. 2.5 % of 800 L.E = ... L.E

(a) 18 (b) 20 (c) 25 (d) 22

3. If the ratio between A and B is 2 : 3 and the difference of A and B is 20, then A + B = ...

(a) 100 (b) 80 (c) 90 (d) 120

4. The volume of cuboid of dimensions 8 cm , 6 cm and 5 cm is cm^3

(a) 210 (b) 240 (c) 200 (d) 260

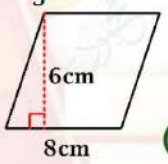
5. 28.32 ÷ 2.4 = 11. 8, then 2.832 ÷ 0.24 =.....

(a) 0.118 (b) 1.12 (c) 11.8 (d) 118

6. Which pair shows equivalent ratios?

(a) 3 to 4 and $\frac{16}{20}$ (b) 1 : 4 and 4 : 6 (c) $\frac{5}{6}$ and $\frac{6}{5}$ (d) $\frac{21}{24}$ and 7:8

7. The area of the opposite parallelogram = ...cm^2



(a) 48 (b) 42 (c) 24 (d) 36

8. The point (4, - 2) by reflection across the y axis is the point.....

(a) $(-4,-2)$ (b) $(-4,2)$ (c) $(4,2)$ (d) $(2,-4)$

9. How many $\frac{3}{4}$ s are there in 6 bananas?

(a) 10 (b) 8 (c) 12 (d) $4\frac{3}{4}$

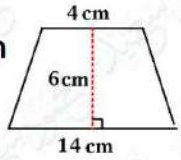
10. 30 % of a kilometer =..... meter

(a) 300 (b) 350 (c) 30 (d) 35

11. A parallelogram with area 20 cm^2 and base length 4 cm, then it's corresponding height is..... cm

(a) 6 (b) 5 (c) 8 (d) 7

12 The area of the opposite trapezium =..... cm^2



(a) 52 (b) 54 (c) 45 (d) 60

13 If the x – coordinate of a point is zero, then the point lies

(a) on the y-axis (b) on the x-axis (c) in the first quadrant (d) in the fourth quadrant

14 If the height of a cuboid is divided in fourth, then the ratio between the new volume to the original volume is.....

(a) 1 : 2 (b) 4: 1 (c) 1: 4 (d) 4:2

15 The height of a rhombus whose area is 70 cm^2 and side length 10 cm is..... cm^2

(a) 7 (b) 8 (c) 9 (d) 10

16 Which of the following is the simplest form of 18 : 24?

(a) 8 :12 (b) 3 : 4 (c) 4 :6 (d) 2 to 3

17 Which of the following points is located on The x – axis?

(a) (3, 0) (b) (0, 3) (c) (0, – 3) (d) (3, – 3)

18 From the opposite tape diagram, x =.....



(a) 30 (b) 240 (c) 220 (d) 400

19 If the ratio between two numbers is 1 : 4 and the first number is 12, then the second number is.....

(a) 36 (b) 18 (c) 48 (d) 42

20 If the volume of a cuboid is 220 cm^3 and all the dimensions are doubled, then the new volume is..... cm^3

(a) 1,320 (b) 1,760 (c) 880 (d) 440

21 Which of the following is not unit rate?

(a) 160 L.E weekly (b) 60 L.E for each kg (c) 120 km per 60 minutes. (d) 1 kg of flour per a cake.

22 20% of the number =..... %of the half of the Same number.

(a) 40 (b) 30 (c) 20 (d) 10

23 ABCD is A parallelogram of area 160 cm^2, AB = 20 cm and BC = 40 cm, then the smaller height is..... cm

(a) 10 (b) 8 (c) 5 (d) 4

24 The area of the parallelogram of base 7 cm and height 4 cm is..... cm^2

a) 7+4 b) (7 +4) × 2 c) 7×4 d) 7 ×4×2

25 The point (4, 6) is located..... units from the y axis.

a) 4 b) 6 c) 2 d) 10

26 The distance between the point (4, - 3) and it's image by reflection across the y axis is =..... units.

a) 6 b) 7 c) 8 d) 14

27 $2\frac{1}{4} \div \ldots = 1$

a) $-\frac{4}{9}$ b) $-4\frac{1}{2}$ c) $\frac{9}{4}$ d) $-\frac{8}{4}$

28 $\frac{2}{4} \div \frac{1}{2}$ $\frac{2}{3}$ of 6

a) < b) > c) = d) ≤

29 Which of the following ratios is equivalent to $\frac{24}{48}$

a) $\frac{6}{12}$ b) $\frac{14}{44}$ c) $\frac{9}{18}$ d) $\frac{23}{46}$

30 0.75 × 4.5 = 7.5 ×

a) 0.45 b) 45 c) 4.5 d) 0.045

31 The area of parallegram = ...

a) b-h b) b×h c) 2×(b×h) d) $\frac{h}{b}$

32 The image of the point (-3,-7) by reflection across the x-axis is the point

a) (-3,7) b) (3,7) c) (3,-7) d) (-3,-7)

33 30% of a number = 150 , then the number is.....

a) 300 b) 600 c) 500 d) 400

34 The area of triangle length base 12 cm and its corresponding height 4 cm is

a) 42cm b) $16cm^2$ c) $24cm^2$ d) 28cm

35 $\div \frac{4}{5} = \frac{5}{6}$

a) $\frac{3}{2}$ b) $\frac{2}{3}$ c) $\frac{8}{10}$ d) $\frac{3}{5}$

36 25% of 400 equals

a) 250 b) 200 c) 100 d) 120

37 point (0,-3) lies

(a) on the y-axis (b) in the third quadrant (c) on the x-axis (d) in the second quadrant

38 The distance between (3,5) , (-6,5) is units

(a) 9 (b) 3 (c) -3 (d) 5

39 12 dm ... 150 mm

(a) > (b) < (c) = (d) otherwise

40 The volume of a cuboid whose length 7cm, width 5cm and height 4cm is cm^3

(a) 16 (b) 48 (c) 140 (d) 63

41 The following ordered pairs (-1,1), (-1,-2) , (2,1) and (2,-2) represent the vertices of a

(a) Square (b) Triangle (c) Trapezium (d) Rectangle

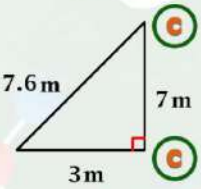
42 12:20 = ... : ... (in the simplest)

(a) 2:3 (b) 7:5 (c) 3:5 (d) 5:3

43 40% of 50 kg = ... gm .

(a) 20000 (b) 17500 (c) 20 (d) 25

44 The area of the opposite triangle.



(a) 10m^2 (b) 10.5 m^2 (c) 21 m^2 (d) 22.8 m^2

47 The point which is plotted 5 units to the right of the origin point and 2 units down....

(a) (5,2) (b) (-5,2) (c) (5,-2) (d) (-5,-2)

48 If the ratio of the number of red balls to the number of blue balls is 1:5 and the number of blue ball is 25 then the number of red is

(a) 50 (b) 25 (c) 5 (d) 4

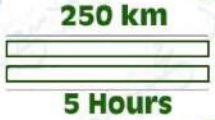
49 If the height of rhombus is 7 CM and it's area is 35 CM^2 , then it is side length

(a) 5 (b) 30 (c) 40 (d) 3.5

50 $5 \div \frac{1}{2}$

(a) 10 (b) $5\frac{1}{2}$ (c) $5\frac{3}{4}$ (d) 20

51 The unit rate of the opposite tape diagram is



(a) 250kg per 5 hours (b) 50 kg per hour (c) 50 km per hour (d) 100km per hour

52 250 gm = ...kg

(a) 25 (b) 2.5 (c) 0.25 (d) 0.025

53 The surface area of square pyramids is =.....

(a) area of base + 4X area of triangular face
(b) 4 X area of base + area of triangular face
(c) 4X area of base + 4 X area of triangular face
(d) area of base + area of triangular face

54 $\frac{5}{2} \div 5$ 5

(a) = (b) > (c) < (d)

55 $1 - (\frac{1}{4} + \frac{1}{2})$ = ...%

(a) 50 (b) 25 (c) $\frac{3}{4}$ (d) 0.25

56 35 I.E for 5 kg , the cost of 30 kg is I.E

(a) 200 (b) 250 (c) 1050 (d) 210

57 The point lies on the first quadrant is

(a) (-2, 5) (b) (2, -5) (c) (2, 5) (d) (-2, - 5)

58 To find the simplest form of the ratio 210: 280 we divided the two term by.....

(a) 10 (b) 70 (c) 100 (d) 30

59 Point (B, B-2) lies on the X-axis when B=

(a) 0 (b) 2 (c) -2 (d) 4

60 The image of the point (1,4) by reflection across the y-axis is the point

(a) (-1,4) (b) (1,4) (c) (1,-4) (d) (-1,-4)

61 $\frac{23}{100}$=....%

(a) 2.3 (b) 23 (c) 0.23 (d) 0.023

62 The area of parallelogram whose base length is 12m and corresponding height is 5m=.....cm^2

(a) 45 (b) 17 (c) 60 (d) 30

63 If B:2^2=3:2 , then B =.....

(a) 6 (b) 9 (c) 3^3 (d) 2^3

64 The area of triangle length base 16 cm and its corresponding height 12 cm is

(a) $28cm^2$ (b) $48cm^2$ (c) $96cm^2$ (d) $196cm^2$

65 A $\div \frac{2}{7} = \frac{1}{2}$, then A=....

(a) $\frac{1}{7}$ (b) $\frac{2}{14}$ (c) $\frac{8}{10}$ (d) 7

66 40% of 900 equals

(a) 360 (b) 300 (c) 150 (d) 120

67 Point (A,-5) lies in the fourth quadrant then A = ...

(a) -14 (b) 0 (c) -5 (d) $|-5|$

68 The distance between (5,-9) , (5,-2) is unit

(a) 9 (b) 7 (c) 11 (d) -2

69 2.5%of 700L.E =.....L.E

(a) 25 (b) 70 (c) 175 (d) 17.5

70 The volume of a cuboid whose length 9cm, width 5cm and height 8cm is cm^3

(a) 360 (b) 157 (c) 314 (d) 660

71 $\frac{2}{7} \div 7$ $\frac{2}{5} \div \frac{1}{5}$

(a) < (b) > (c) = (d) otherwise

72 Which the following is a conversion factor?

(a) $\frac{4km}{1\ hr}$ (b) $\frac{60min}{1sec}$ (c) $\frac{1week}{7days}$ (d) $\frac{1{,}000cm}{1km}$

73 $0.8 \times 20 =$

(a) 160 (b) 16 (c) 1.6 (d) 0.16

74 60 % $\frac{2}{4}$

(a) < (b) > (c) = (d)

75 1 – (25% + 45%) = ... %

(a) 70 (b) 20 (c) 30 (d) 50

76 If the start. point at (2, 3) and move 3 units to the left and 4 units up, then the end point is..

(a) (-1 , 7) (b) (-7,1) (c) (1,-7) (d) (1,7)

77 The surface area of a cube of edges length 4cm = ... cm^3

(a) 69 (b) 96 (c) 24 (d) 16

78 Ali bought 3kg of Mango for 30 L . E , then he paid LE to to buy 6Kg

a 60 b 30 c 10 d 20

79 If the height of a rhombus is 5cm and it's area is 30 cm^2, then it's side length is cm

a 150 b 35 c 6 d 3

80 If $\frac{4}{x}$ is equivalent to $\frac{1}{2}$ then X = ...

a 2 b 8 c 4 d 6

81 12% of 125 Kg = ... Kg

a 1200 b 15 c 18 d 0.015

82 The reciprocal od $3\frac{1}{3}$ = ...

a $\frac{10}{3}$ b $\frac{1}{3}$ c $\frac{3}{10}$ d 3

83 A point is located 4 units to the left of the origin point and 2 units down, then the point is .

a (2,4) b (-4,-2) c (-2,4) d (4,2)

84 If the ratio 3:5 is equivalent to x : 15 , then x+1

a 9 b 15 c 10 d 11

85 $\frac{\dots}{\dots} \times \frac{1}{6} = \frac{4}{18}$

a $\frac{3}{4}$ b $\frac{1}{4}$ c $\frac{4}{3}$ d 6

86 $\frac{5}{6}$ of $\frac{6}{5}$ = ...

a 1 b 0 c $\frac{1}{5}$ d 6

87 If the ratio 4:5 is the same as x : 20 , then x = ...

a 4 b 16 c 10 d 8

88 The point A (3, d) lies on the x-axis then d = ...

a 1 b -3 c 3 d 0

89 If 0.035 ÷ 0.5 = A , then the value of A = ...

a 7 b 0.07 c 70 d 0.7

90 0.04 = ...%

a 4 b 0.4 c 40 d 400

91 1 Kg is conversion factor ?

(a) 100 g (b) 1000 g (c) 1000 m (d) 10 g

92 If a cube has an edge of 5 cm then its surface area is cm^2

(a) 25 (b) 125 (c) 150 (d) 20

93 The point (y,-4) lies in quadrant

(a) First (b) Second (c) third (d) fourth

94 360 minute x $\frac{\dots}{\dots}$ = 6 hours

(a) $\frac{1\ hr}{60\ min}$ (b) $\frac{60\ min}{1\ hr}$ (c) $\frac{1\ hr}{60\ sec}$ (d) $\frac{60\ sec}{1\ min}$

95 14.5×2.5 = ...

(a) 0.3625 (b) 36.25 (c) 3625 (d) 362.5

96 320 : 300 = ... to (insimplest form)

(a) 16 : 15 (b) 32 : 30 (c) 160 : 150 (d) 64 : 60

97 The point (0, 2) lies on

(a) X^{axis} (b) Y_{axis} (c) 1st quadrant (d) 3rd quadrant

98 If the price of the microwave is 5000 LE, the 10% of its price is

(a) 50 (b) 5 (c) 500 (d) 0.5

99 The point (0, -5) is the image of itself by reflection across

(a) y-axis (b) x-axis (c) 1st quadrant (d) Fourth quadrant

100 If $\frac{x}{8}$ is quivalent to 2 then x = ...

(a) 4 (b) 2 (c) 16 (d) 20

101 $\div \frac{2}{7} = 1$

(a) $\frac{2}{7}$ (b) $\frac{7}{2}$ (c) $\frac{1}{6}$ (d) $\frac{1}{2}$

102 The area of triangle = ...

(a) base × height (b) $\frac{1}{2}$ × base length × height

(c) 2 × base × height (d) 2 × base × height

103 $\frac{3}{8} \times \frac{1}{4} = \frac{3}{8} \div$

(a) $\frac{1}{4}$ (b) $\frac{8}{3}$ (c) 4 (d) 8

104 If the ratio 6 : 8 is the same as x : 32, then x = ...

(a) 24 (b) 12 (c) 16 (d) 30

105 The reciprocal of is 10

(a) 1 (b) 0 (c) 0.1 (d) 5

106 $4.3 \times 0.2 =$.....

(a) 8.6 (b) 0.86 (c) 86 (d) 860

107 0.2 = ... %

(a) 2 (b) 200 (c) 20 (d) 2000

108 3.68 m = ... cm

(a) 0.368 (b) 3680 (c) 368 (d) 36.8

109 If the cube has an edge of 9 cm then its surface area is cm^2

(a) 81 (b) 486 (c) 54 (d) 729

110 Area of triangle = ...

(a) $0.5 \times b \times h$ (b) $b \times h$ (c) $s \times s$ (d) $l \times w$

111 8% of = 36

(a) 450 (b) 0.45 (c) 45 (d) 4.5

112 $17 \times 2.25 =$.....

(a) 3825 (b) 38.25 (c) 0.3825 (d) 3.825

113 42 : 63 = 2 :

(a) 4 (b) 2 (c) 3 (d) 5

Find x = ... , y = ...

114 From the opposite table

girls	2	4	y
boys	3	x	15

(a) 6, 10 (b) 3, 2 (c) 4, 3 (d) 15, 2

115 If the ratio between a and b is 3: 5 and b is 10, then a = ...

(a) 5 (b) 3 (c) 6 (d) 12

116 600 gram per sec = ... Kg/min

(a) 60 (b) 36 (c) 3.6 (d) 30

117 The point (3, 0) is located on

(a) 1st quadrant (b) x-axis (c) y-axis (d) 2nd quadrant

118 $\frac{3}{4}$ = ... %

(a) 50 (b) 25 (c) 75 (d) 100

119 Noha spends 48 LE in 6 days, then she spend in 10 days

(a) 40 (b) 80 (c) 60 (d) 50

120 $\frac{19}{20}$ 21%

(a) > (b) < (c) = (d)

121 20% pupils in the class = 5 pupils then the total number of pupils in class = ...

(a) 25 (b) 20 (c) 5 (d) 30

122 350 cm = ... m

(a) 30 (b) 3.5 (c) 35 (d) 0.35

123 40% of 40 = ...

(a) 16 (b) 20 (c) 1.6 (d) 4

124 The ordered pair representing the origin is

(a) (1, 1) (b) (0, 0) (c) (2, 0) (d) (0, 3)

125 3600 sec = ... hr

(a) 60 (b) 1 (c) 36 (d) 30

126 Is a ratio that compere a quantity to one unit of second quantity

(a) unitrate (b) ratio (c) Conversion factor (d) reciprocal

127 55% = 1 - %

(a) 50 (b) 45 (c) 40 (d) 54

128 In the point (7, 3), the x-coordinate is

(a) 3 (b) (7, 3) (c) 7 (d) (3, 7)

129 45% $\div \frac{9}{20}$ = ... %

(a) 1 (b) 100 (c) 45 (d) 20

130 $17 \times 2.25 =$.....

(a) 3825 (b) 38.25 (c) 0.3825 (d) 3.825

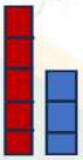
131 $8 : 12 = 2 :$

(a) 4 (b) 2 (c) 3 (d) 5

132 $3.2 \times 0.2 =$.....

(a) 0.64 (b) 64 (c) 6.4 (d) 0.064

133 The ratio between the number of red squares to the number of blue squares = ... :



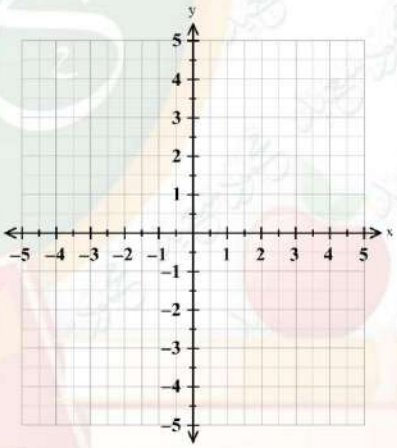
(a) 5: 3 (b) 2: 5
(c) 4: 1 (d) 5 : 2

Question 02 Answer the following questions

1 If the perimeter of an equilateral triangle is 90 cm and it's area is 180 cm^2, Find the height.

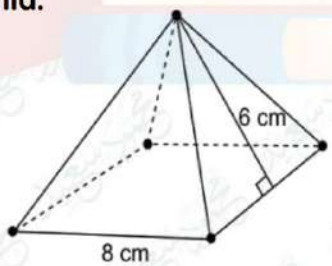
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2 Graph the point A (- 3, 3) and B (2, 3), then find the distance between A and B



.....
.....
.....

3 Find the surface area of the opposite square - based pyramid.



.....
.....
.....

4 Find the value of x :

$\frac{x}{6} = \frac{2}{3}$

.....

5 (b) $\frac{x+1}{20} = 40\ \%$

.....

6 The number of students in school is 250, if 40% of them are absent.
What is the number of the absent students in this school?

.....

7 Find the side length of cube in which the surface area equals 384 cm^2.

.....

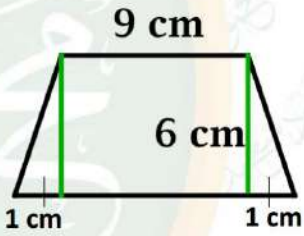
8 Mona bought a New T.V, she was given a 20% discount of its marked price which was 12,500 L.E --- Find its price after discount.

.....

9 A runner covers 12kilometres in 3 hours
Find the distance he covers in 2hours at the same speed.

.....

10 The area of the opposite trapezium is cm^2



.....
.....
.....

11 Mazen bought a shirt for 400 pounds with a 20% discount, what is price of the shirt after the discount?

.....

12 A runner covers 24 kilometer in 4 hours find the distance he covers in 10 hours at the same speed.

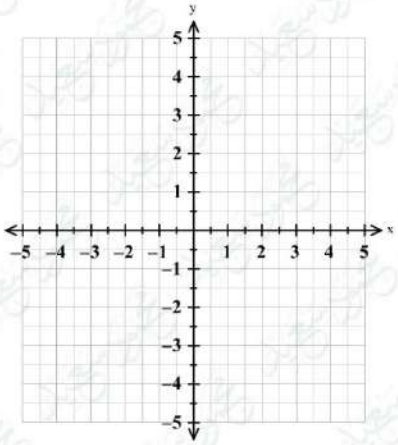
.....

13 In the science exam , Ahmed got 70% and Rana got 40 marks out of 50 which of them has got a better score

.....

14 plot A (4,2), B (1,2) , C(1,5) , D(4,5) ,What is the name of the figure ABCD?

ABCD is



15 In math exam , yasser got 90% and fayz got 40marks out of 60 which of them has got a better score , what is the difference between their score ?

.....

16 Laila has 6 liters of milks , she needs to divide it into small bottles of $\frac{3}{4}$ liters each , how many bottles will she need ?

.....

17 find the corresponding height of the parallelogram with area 30 cm2 base length 5 cm

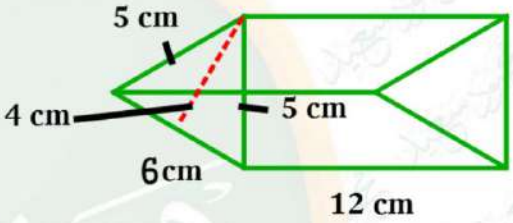
.....

18 calculate the surface area of the opposite triangular prism.

.....

.....

.....



19 $\frac{x+3}{10}$ = 50%

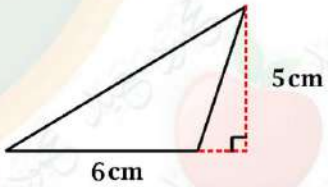
.....

20 Mayar bought a car 660,000L.E she paid 40% of its price , How much money did she pay ?

.....

21 Find the value of X : $\frac{X}{15} = \frac{10}{30}$

.....

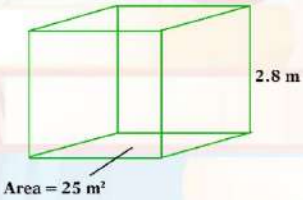


22 Find the area of the opposite triangle

.....

23 Find the volume of the opposite cuboid

.....



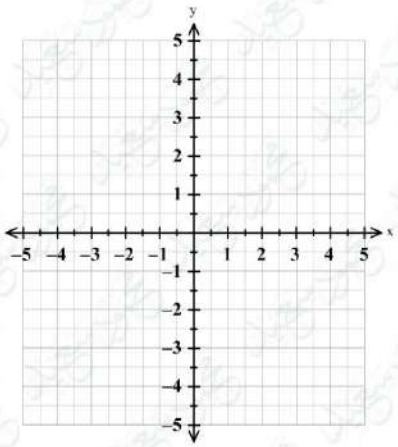
24 Find the value of x, if $\frac{x+1}{5} = 40\%$

.....

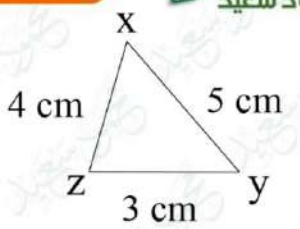
25 The two bases of parallelogram are 10 cm and, 5 cm the smaller height is 5 cm, find the area of the parallelogram

.....

26 plot A (4,-2), B (2,2) , C(-2,2) , D(-4,-2) ,
What kind of shape do they make ?
ABCD is



27 From the opposite triangle, find the ratio between $\overline{xy}$ and the perimeter of the triangle



.....

28 If $\frac{4}{9}$ is equivalent to $\frac{x}{18}$, then $x - 4 =$

.....

29 What type of triangle is it according to the measure of its angles in which its heights intersect out side it?

.....

30 A box of the table tennis balls weighs $\frac{10}{18}$ of a kg if each ball weighs $\frac{5}{27}$ of a kg. then how many balls are there in the box?

.....

31 Yasin covered $\frac{3}{5}$ of kilometre in 3 laps. What is the distance he covered in one laps?

.....

32 How many heights are there in a triangle?

.....

33 What type of triangle is it according to its measures of its angles in which its heights intersect inside it?

.....

34 If x (a, 2) and y (3, -2) and given that a < 0 and the length of xy is 6 units, then find the value of a ?

.....

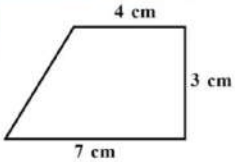
35 A piece of cloth of 4 meter long was put in water it shrunk by 5%, what is the length after shrinking?

.....

36 Find the area of the rhombus whose perimeter 40 cm and height 8 cm?

.....

37 Find the area of the opposite trapezim



.....

38 If the ratio of a, b = 4 : 5, and a + b = 36, then find the value of a ?

.....

39 If the perimeter of an equilateral triangle is 18 cm and its area is 15 cm^2 , then find its height

.....

40 On most summer days, camels drink about 30000 malletiers of water. How many litter of water is that?

.....

41 The perimeter of square shaped paper is $\frac{6}{11}$ m. find the length of each side of the paper

.....

42 May divided 127.5 L.E among her three sons. Find the share of each one

.....

43 Find the value of m, if $\frac{1}{5} \div m = 5$

.....

44 Write the ratio 4 : 6 in two different ways?

.....

47 Is $\frac{1km}{100m}$ a conversion factor

.....

48 Mona has 60 L.E she spent $\frac{3}{5}$ of what she has what is the percentage of the mony she spent?

.....

49 Ahmed bought a T.V set. He was a 10% discount of its marked since, was 10000 L,E, find its price after discount

.....

50 ***moving the point*** $(3, 4)$ ***3 units to the right and*** 5 ***units down, then what is*** end point?

.....

51 If the point (-1, 4) is the image of point (a, b) by reflection in y-axis, then, what is the value of a + b ?

.....

52 Find the distance between the two points (-2, 3) and (-2, 1)

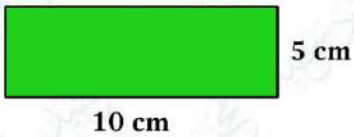
.....

53 If the lunch bill for you and your friend is EGP 300 and the sales tax rate is 5% and a 10% service charge is added. Calculate the totel amount of lunch?

.....

54 Find the ratio between the length and perimeter in the opposite rectangle

.....



انتهت الأسئلة مع أطيب الامنيات بالنجاح والتوفيق

Second Term Questions Bank المتميز

Question 01 Choose the correct answer

1. The point..... lies in the third quadrant

(a) (- 5, 2) (b) (5, 2) (c) (-5, - 2) (d) (5, - 2)

2. 2.5 % of 800 L.E = ... L.E

(a) 18 (b) 20 (c) 25 (d) 22

3. If the ratio between A and B is 2 : 3 and the difference of A and B is 20, then A + B = ...

(a) 100 (b) 80 (c) 90 (d) 120

4. The volume of cuboid of dimensions 8 cm , 6 cm and 5 cm is cm^3

(a) 210 (b) 240 (c) 200 (d) 260

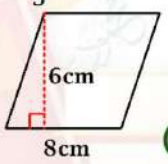
5. 28.32 ÷ 2.4 = 11. 8, then 2.832 ÷ 0.24 =.....

(a) 0.118 (b) 1.12 (c) 11.8 (d) 118

6. Which pair shows equivalent ratios?

(a) 3 to 4 and $\frac{16}{20}$ (b) 1 : 4 and 4 : 6 (c) $\frac{5}{6}$ and $\frac{6}{5}$ (d) $\frac{21}{24}$ and 7:8

7. The area of the opposite parallelogram = ...cm^2



(a) 48 (b) 42 (c) 24 (d) 36

8. The point (4, - 2) by reflection across the y axis is the point.....

(a) $(-4,-2)$ (b) $(-4,2)$ (c) $(4,2)$ (d) $(2,-4)$

9. How many $\frac{3}{4}$ s are there in 6 bananas?

(a) 10 (b) 8 (c) 12 (d) $4\frac{3}{4}$

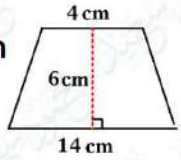
10. 30 % of a kilometer =..... meter

(a) 300 (b) 350 (c) 30 (d) 35

11. A parallelogram with area 20 cm^2 and base length 4 cm, then it's corresponding height is..... cm

(a) 6 (b) 5 (c) 8 (d) 7

12 The area of the opposite trapezium =..... cm^2



(a) 52 (b) 54 (c) 45 (d) 60

13 If the x – coordinate of a point is zero, then the point lies

(a) on the y-axis (b) on the x-axis (c) in the first quadrant (d) in the fourth quadrant

14 If the height of a cuboid is divided in fourth, then the ratio between the new volume to the original volume is.....

(a) 1 : 2 (b) 4: 1 (c) 1: 4 (d) 4:2

15 The height of a rhombus whose area is 70 cm^2 and side length 10 cm is..... cm^2

(a) 7 (b) 8 (c) 9 (d) 10

16 Which of the following is the simplest form of 18 : 24?

(a) 8 :12 (b) 3 : 4 (c) 4 :6 (d) 2 to 3

17 Which of the following points is located on The x – axis?

(a) (3, 0) (b) (0, 3) (c) (0, – 3) (d) (3, – 3)

18 From the opposite tape diagram, x =.....



(a) 30 (b) 240 (c) 220 (d) 400

19 If the ratio between two numbers is 1 : 4 and the first number is 12, then the second number is.....

(a) 36 (b) 18 (c) 48 (d) 42

20 If the volume of a cuboid is 220 cm^3 and all the dimensions are doubled, then the new volume is..... cm^3

(a) 1,320 (b) 1,760 (c) 880 (d) 440

21 Which of the following is not unit rate?

(a) 160 L.E weekly (b) 60 L.E for each kg (c) 120 km per 60 minutes. (d) 1 kg of flour per a cake.

22 20% of the number =..... %of the half of the Same number.

(a) 40 (b) 30 (c) 20 (d) 10

23 ABCD is A parallelogram of area 160 cm^2, AB = 20 cm and BC = 40 cm, then the smaller height is..... cm

(a) 10 (b) 8 (c) 5 (d) 4

24 The area of the parallelogram of base 7 cm and height 4 cm is..... cm^2

a) 7+4 b) (7 +4) × 2 c) 7×4 d) 7 ×4×2

25 The point (4, 6) is located..... units from the y axis.

a) 4 b) 6 c) 2 d) 10

26 The distance between the point (4, - 3) and it's image by reflection across the y axis is =..... units.

a) 6 b) 7 c) 8 d) 14

27 $2\frac{1}{4} \div \ldots = 1$

a) $-\frac{4}{9}$ b) $-4\frac{1}{2}$ c) $\frac{9}{4}$ d) $-\frac{8}{4}$

28 $\frac{2}{4} \div \frac{1}{2}$ $\frac{2}{3}$ of 6

a) < b) > c) = d) ≤

29 Which of the following ratios is equivalent to $\frac{24}{48}$

a) $\frac{6}{12}$ b) $\frac{14}{44}$ c) $\frac{9}{18}$ d) $\frac{23}{46}$

30 $0.75 \times 4.5 = 7.5 \times$

a) 0.45 b) 45 c) 4.5 d) 0.045

31 The area of parallegram = ...

a) b-h b) b×h c) 2×(b×h) d) $\frac{h}{b}$

32 The image of the point (-3,-7) by reflection across the x-axis is the point

a) (-3,7) b) (3,7) c) (3,-7) d) (-3,-7)

33 30% of a number = 150 , then the number is.....

a) 300 b) 600 c) 500 d) 400

34 The area of triangle length base 12 cm and its corresponding height 4 cm is

a) 42cm b) $16cm^2$ c) $24cm^2$ d) 28cm

35 $\div \frac{4}{5} = \frac{5}{6}$

a) $\frac{3}{2}$ b) $\frac{2}{3}$ c) $\frac{8}{10}$ d) $\frac{3}{5}$

36 25% of 400 equals

a) 250 b) 200 c) 100 d) 120

37 point (0,-3) lies

(a) on the y-axis (b) in the third quadrant (c) on the x-axis (d) in the second quadrant

38 The distance between (3,5) , (-6,5) is units

(a) 9 (b) 3 (c) -3 (d) 5

39 12 dm ... 150 mm

(a) > (b) < (c) = (d) otherwise

40 The volume of a cuboid whose length 7cm, width 5cm and height 4cm is cm^3

(a) 16 (b) 48 (c) 140 (d) 63

41 The following ordered pairs (-1,1), (-1,-2) , (2,1) and (2,-2) represent the vertices of a

(a) Square (b) Triangle (c) Trapezium (d) Rectangle

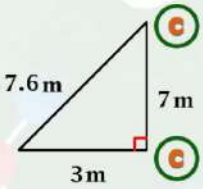
42 12:20 = ... : ... (in the simplest)

(a) 2:3 (b) 7:5 (c) 3:5 (d) 5:3

43 40% of 50 kg = ... gm .

(a) 20000 (b) 17500 (c) 20 (d) 25

44 The area of the opposite triangle.



(a) 10m^2 (b) 10.5 m^2 (c) 21 m^2 (d) 22.8 m^2

47 The point which is plotted 5 units to the right of the origin point and 2 units down....

(a) (5,2) (b) (-5,2) (c) (5,-2) (d) (-5,-2)

48 If the ratio of the number of red balls to the number of blue balls is 1:5 and the number of blue ball is 25 then the number of red is

(a) 50 (b) 25 (c) 5 (d) 4

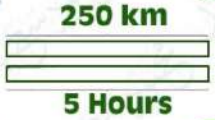
49 If the height of rhombus is 7 CM and it's area is 35 CM^2 , then it is side length

(a) 5 (b) 30 (c) 40 (d) 3.5

50 $5 \div \frac{1}{2}$

(a) 10 (b) $5\frac{1}{2}$ (c) $5\frac{3}{4}$ (d) 20

51 The unit rate of the opposite tape diagram is



(a) 250kg per 5 hours (b) 50 kg per hour (c) 50 km per hour (d) 100km per hour

52 250 gm = ...kg

(a) 25 (b) 2.5 (c) 0.25 (d) 0.025

53 The surface area of square pyramids is =.....

(a) area of base + 4X area of triangular face

(b) 4 X area of base + area of triangular face

(c) 4X area of base + 4 Xarea of triangular face

(d) area of base + area of triangular face

54 $\frac{5}{2} \div 5$ 5

(a) = (b) > (c) < (d)

55 $1 - (\frac{1}{4} + \frac{1}{2})$ = ...%

(a) 50 (b) 25 (c) $\frac{3}{4}$ (d) 0.25

56 35 l.E for 5 kg , the cost of 30 kg is l.E

(a) 200 (b) 250 (c) 1050 (d) 210

57 The point lies on the first quadrant is

(a) (-2, 5) (b) (2, -5) (c) (2, 5) (d) (-2, - 5)

58 To find the simplest form of the ratio 210: 280 we divided the two term by.....

(a) 10 (b) 70 (c) 100 (d) 30

59 Point (B, B-2) lies on the X-axis when B=

(a) 0 (b) 2 (c) -2 (d) 4

60 The image of the point (1,4) by reflection across the y-axis is the point

(a) (-1,4) (b) (1,4) (c) (1,-4) (d) (-1,-4)

61 $\frac{23}{100}$=....%

(a) 2.3 (b) 23 (c) 0.23 (d) 0.023

62 The area of parallelogram whose base length is 12m and corresponding height is 5m=.....cm^2

(a) 45 (b) 17 (c) 60 (d) 30

63 If B:2^2=3:2 , then B =.....

(a) 6 (b) 9 (c) 3^3 (d) 2^3

64 The area of triangle length base 16 cm and its corresponding height 12 cm is

a) $28cm^2$ b) $48cm^2$ c) $96cm^2$ d) $196cm^2$

65 A $\div \frac{2}{7} = \frac{1}{2}$, then A=....

a) $\frac{1}{7}$ b) $\frac{2}{14}$ c) $\frac{8}{10}$ d) 7

66 40% of 900 equals

a) 360 b) 300 c) 150 d) 120

67 Point (A,-5) lies in the fourth quadrant then A = ...

a) -14 b) 0 c) -5 d) $|-5|$

68 The distance between (5,-9) , (5,-2) is unit

a) 9 b) 7 c) 11 d) -2

69 2.5%of 700L.E =.....L.E

a) 25 b) 70 c) 175 d) 17.5

70 The volume of a cuboid whose length 9cm, width 5cm and height 8cm is cm^3

a) 360 b) 157 c) 314 d) 660

71 $\frac{2}{7} \div 7$ $\frac{2}{5} \div \frac{1}{5}$

a) < b) > c) = d) otherwise

72 Which the following is a conversion factor?

a) $\frac{4km}{1\ hr}$ b) $\frac{60min}{1sec}$ c) $\frac{1week}{7days}$ d) $\frac{1{,}000cm}{1km}$

73 $0.8 \times 20 =$

a) 160 b) 16 c) 1.6 d) 0.16

74 60 % $\frac{2}{4}$

a) < b) > c) = d)

75 1 – (25% + 45%) = ... %

a) 70 b) 20 c) 30 d) 50

76 If the start. point at (2, 3) and move 3 units to the left and 4 units up, then the end point is..

a) (-1 , 7) b) (-7,1) c) (1,-7) d) (1,7)

77 The surface area of a cube of edges length 4cm = ... cm^3

a) 69 b) 96 c) 24 d) 16

78 Ali bought 3kg of Mango for 30 L . E , then he paid LE to to buy 6Kg

(a) 60 (b) 30 (c) 10 (d) 20

79 If the height of a rhombus is 5cm and it's area is 30 cm^2, then it's side length is cm

(a) 150 (b) 35 (c) 6 (d) 3

80 If $\frac{4}{x}$ is equivalent to $\frac{1}{2}$ then X = ...

(a) 2 (b) 8 (c) 4 (d) 6

81 12% of 125 Kg = ... Kg

(a) 1200 (b) 15 (c) 18 (d) 0.015

82 The reciprocal od $3\frac{1}{3}$ = ...

(a) $\frac{10}{3}$ (b) $\frac{1}{3}$ (c) $\frac{3}{10}$ (d) 3

83 A point is located 4 units to the left of the origin point and 2 units down, then the point is .

(a) (2,4) (b) (-4,-2) (c) (-2,4) (d) (4,2)

84 If the ratio 3:5 is equivalent to x : 15 , then x+1

(a) 9 (b) 15 (c) 10 (d) 11

85 $\frac{\dots}{\dots} \times \frac{1}{6} = \frac{4}{18}$

(a) $\frac{3}{4}$ (b) $\frac{1}{4}$ (c) $\frac{4}{3}$ (d) 6

86 $\frac{5}{6}$ of $\frac{6}{5}$ = ...

(a) 1 (b) 0 (c) $\frac{1}{5}$ (d) 6

87 If the ratio 4:5 is the same as x : 20 , then x = ...

(a) 4 (b) 16 (c) 10 (d) 8

88 The point A (3, d) lies on the x-axis then d = ...

(a) 1 (b) -3 (c) 3 (d) 0

89 If 0.035 ÷ 0.5 = A , then the value of A = ...

(a) 7 (b) 0.07 (c) 70 (d) 0.7

90 0.04 = ...%

(a) 4 (b) 0.4 (c) 40 (d) 400

91 1 Kg is conversion factor ?

(a) 100 g (b) 1000 g (c) 1000 m (d) 10 g

92 If a cube has an edge of 5 cm then its surface area is cm^2

(a) 25 (b) 125 (c) 150 (d) 20

93 The point (y,-4) lies in quadrant

(a) First (b) Second (c) third (d) fourth

94 360 minute x $\frac{\dots}{\dots}$ = 6 hours

(a) $\frac{1\ hr}{60\ min}$ (b) $\frac{60\ min}{1\ hr}$ (c) $\frac{1\ hr}{60\ sec}$ (d) $\frac{60\ sec}{1\ min}$

95 14.5×2.5 = ...

(a) 0.3625 (b) 36.25 (c) 3625 (d) 362.5

96 320 : 300 = ... to (insimplest form)

(a) 16 : 15 (b) 32 : 30 (c) 160 : 150 (d) 64 : 60

97 The point (0, 2) lies on

(a) X^{axis} (b) Y_{axis} (c) 1st quadrant (d) 3rd quadrant

98 If the price of the microwave is 5000 LE, the 10% of its price is

(a) 50 (b) 5 (c) 500 (d) 0.5

99 The point (0, -5) is the image of itself by reflection across

(a) y-axis (b) x-axis (c) 1st quadrant (d) Fourth quadrant

100 If $\frac{x}{8}$ is quivalent to 2 then x = ...

(a) 4 (b) 2 (c) 16 (d) 20

101 $\div \frac{2}{7} = 1$

(a) $\frac{2}{7}$ (b) $\frac{7}{2}$ (c) $\frac{1}{6}$ (d) $\frac{1}{2}$

102 The area of triangle = ...

(a) base × height (b) $\frac{1}{2}$ × base length × height

(c) 2 × base × height (d) 2 × base × height

103 $\frac{3}{8} \times \frac{1}{4} = \frac{3}{8} \div$

(a) $\frac{1}{4}$ (b) $\frac{8}{3}$ (c) 4 (d) 8

104 If the ratio 6 : 8 is the same as x : 32, then x = ...

(a) 24 (b) 12 (c) 16 (d) 30

105 The reciprocal of is 10

(a) 1 (b) 0 (c) 0.1 (d) 5

106 $4.3 \times 0.2 =$.....

(a) 8.6 (b) 0.86 (c) 86 (d) 860

107 0.2 = ... %

(a) 2 (b) 200 (c) 20 (d) 2000

108 3.68 m = ... cm

(a) 0.368 (b) 3680 (c) 368 (d) 36.8

109 If the cube has an edge of 9 cm then its surface area is cm^2

(a) 81 (b) 486 (c) 54 (d) 729

110 Area of triangle = ...

(a) $0.5 \times b \times h$ (b) $b \times h$ (c) $s \times s$ (d) $l \times w$

111 8% of = 36

(a) 450 (b) 0.45 (c) 45 (d) 4.5

112 $17 \times 2.25 =$.....

(a) 3825 (b) 38.25 (c) 0.3825 (d) 3.825

113 42 : 63 = 2 :

(a) 4 (b) 2 (c) 3 (d) 5

Find x = ... , y = ...

114 From the opposite table

girls	2	4	y
boys	3	x	15

(a) 6, 10 (b) 3, 2 (c) 4, 3 (d) 15, 2

115 If the ratio between a and b is 3: 5 and b is 10, then a = ...

(a) 5 (b) 3 (c) 6 (d) 12

116 600 gram per sec = ... Kg/min

(a) 60 (b) 36 (c) 3.6 (d) 30

117 The point (3, 0) is located on

(a) 1st quadrant (b) x-axis (c) y-axis (d) 2nd quadrant

118 $\frac{3}{4}$ = ... %

(a) 50 (b) 25 (c) 75 (d) 100

119 Noha spends 48 LE in 6 days, then she spend in 10 days

(a) 40 (b) 80 (c) 60 (d) 50

120 $\frac{19}{20}$ 21%

(a) > (b) < (c) = (d)

121 20% pupils in the class = 5 pupils then the total number of pupils in class = ...

(a) 25 (b) 20 (c) 5 (d) 30

122 350 cm = ... m

(a) 30 (b) 3.5 (c) 35 (d) 0.35

123 40% of 40 = ...

(a) 16 (b) 20 (c) 1.6 (d) 4

124 The ordered pair representing the origin is

(a) (1, 1) (b) (0, 0) (c) (2, 0) (d) (0, 3)

125 3600 sec = ... hr

(a) 60 (b) 1 (c) 36 (d) 30

126 Is a ratio that compere a quantity to one unit of second quantity

(a) unitrate (b) ratio (c) Conversion factor (d) reciprocal

127 55% = 1 - %

(a) 50 (b) 45 (c) 40 (d) 54

128 In the point (7, 3), the x-coordinate is

(a) 3 (b) (7, 3) (c) 7 (d) (3, 7)

129 45% $\div \frac{9}{20}$ = ... %

(a) 1 (b) 100 (c) 45 (d) 20

130 $17 \times 2.25 =$.....

(a) 3825 (b) 38.25 (c) 0.3825 (d) 3.825

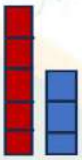
131 $8 : 12 = 2 :$

(a) 4 (b) 2 (c) 3 (d) 5

132 $3.2 \times 0.2 =$.....

(a) 0.64 (b) 64 (c) 6.4 (d) 0.064

133 The ratio between the number of red squares to the number of blue squares = ... :



(a) 5: 3 (b) 2: 5
(c) 4: 1 (d) 5 : 2

Question 02 Answer the following questions

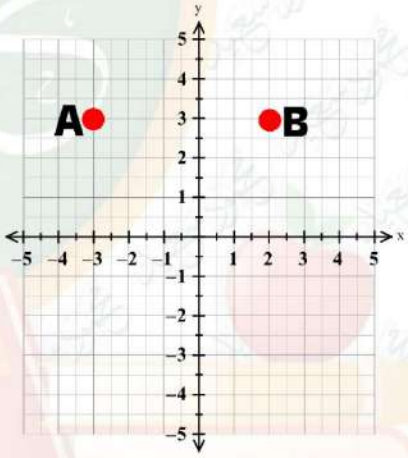
1 If the perimeter of an equilateral triangle is 90 cm and it's area is 180 cm^2, Find the height.

side length = 90 ÷ 3 = 30 cm

Area of triangle = $\frac{1}{2} \times b \times h$

Height = $\frac{2 \times 180}{30} = 12\ cm$

2 Graph the point A (- 3, 3) and B (2, 3), then find the distance between A and B



The distance between A and B =

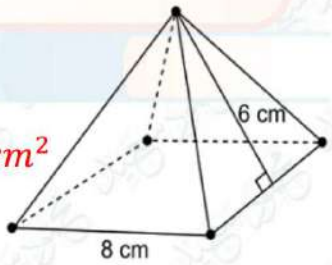
| - 3 | + 2 = 5 units

3 Find the surface area of the opposite square - based pyramid.

Area of squared base = S × itself =8 × 8 = $64cm^2$

Area of Triangular Sides = $4 \times (\frac{1}{2} \times b \times h) = 4 \times \left(\frac{1}{2} \times 8 \times 6\right) = 96\ cm^2$

Area of square – based pyramid = 64 + 96 = $160\ cm^2$.



4 Find the value of x :

$\frac{x}{6} = \frac{2}{3}$

X= $\frac{6 \times 2}{3} = \frac{12}{3} = 4$

5 (b) $\frac{x+1}{20} = 40\ \%$

X+1 = $\frac{40 \times 20}{100}$ – – – – X +1 = 8 , x = 7

6 The number of students in school is 250, if 40% of them are absent.
What is the number of the absent students in this school?

$$\text{The number of student} = \frac{40}{100} \times 250 = 100 \text{ student}$$

7 Find the side length of cube in which the surface area equals 384 cm^2.

Area of cube $= 6 \times s^2$ — Then, $s^2 = 384 \div 6 = 64$

S = 8 cm.

8 Mona bought a New T.V, she was given a 20% discount of its marked price which was 12,500 L.E --- Find its price after discount.

20 % of 12,500 L.E = $\frac{20}{100} \times 12{,}500$ = 2,500 L.E

The price after the discount = 12,500 – 2,500 = 10,000 L.E

9 A runner covers 12kilometres in 3 hours

Find the distance he covers in 2hours at the same speed.

$\frac{12\ km}{?\ km} = \frac{3hr}{2hr}$ Then, the distance in 2hr is 8km

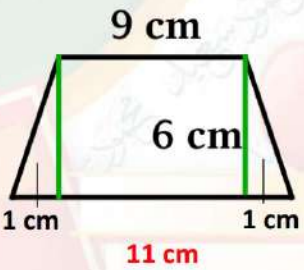
10 The area of the opposite trapezium is cm^2

area of rectangle= $9 \times 6 = 54 cm^2$

area of triangle (1) = 3 cm^2

area of triangle (2) =3cm^2

then, area of trapezium=54+3+3 =60cm^2



11 Mazen bought a shirt for 400 pounds with a 20% discount, what is price of the shirt after the discount?

discount =400×20%=80 pounds

Shirt after the discount = 400 – 80 =320 pounds

12 A runner covers 24 kilometer in 4 hours find the distance he covers in 10 hours at the same speed.

Runner cover = $\frac{24}{4}$ = 6 kilometer / hour

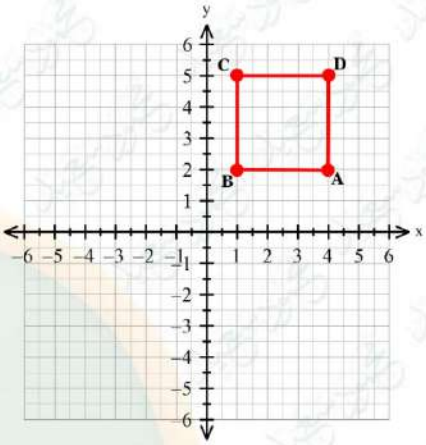
Distance he covers in 10 hours = 6×10 = 60 kilometer

13 In the science exam , Ahmed got 70% and Rana got 40 marks out of 50 which of them has got a better score

Ahmed got 70%

Rana got $=\frac{40}{50}\times 100=80\%$, Rana has got a better score

14 plot A (4,2), B (1,2) , C(1,5) , D(4,5) ,What is the name of the figure ABCD?



ABCD is Square

15 In math exam , yasser got 90% and fayz got 40marks out of 60 which of them has got a better score , what is the difference between their score ?

Yaser got $=\frac{90}{100}\times 60 = 54$ marks

Yasser has got a better score

Difference = 54 -40 = 14 marks

16 Laila has 6 liters of milks , she needs to divide it into small bottles of $\frac{3}{4}$ liters each , how many bottles will she need ?

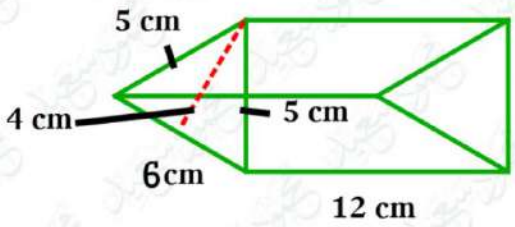
No. of bottles $= 6\div\frac{3}{4} = 8$ bottles

17 find the corresponding height of the parallelogram with area 30 cm2 base length 5 cm

H = A ÷ b

Height = 30÷5 = 6 cm

18 calculate the surface area of the opposite triangular prism.



Face 1 = $12\times 6 = 72\ cm^2$

Face 2 = $12\times 5 = 60\ cm^2$

Face 3 = $12\times 5 = 60\ cm^2$

Base 1 = $\frac{1}{2}\times 6\times 4 = 12\ cm^2$

Base 2 = $\frac{1}{2}\times 6\times 4 = 12\ cm^2$

The surface area = $72 + 60 + 60 + 12 + 12 = 216\ cm^2$

19 $\frac{x+3}{10} = 50\%$

100(x+3)=500

X+3 =5

X=2

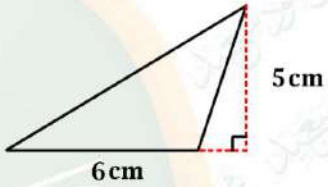
20 Mayar bought a car 660,000L.E she paid 40% of its price , How much money did she pay ?

She paid = 660,000× 40% =264,000L.E

21 Find the value of X : $\frac{X}{15} = \frac{10}{30}$

X=$\frac{150}{30}$=5

22 Find the area of the opposite triangle

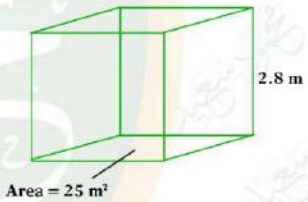


Area of triangle = $\frac{1}{2} \times b \times h$

$= \frac{1}{2} \times 6 \times 5$

$= 3 \times 5 = 15\ cm^2$

23 Find the volume of the opposite cuboid



Volume = Area × height

$= 25 \times 2.8 = 70\ m^3$

24 Find the value of x, if $\frac{x+1}{5} = 40\%$

$\frac{x+1}{5} = \frac{40}{100}$

$x + 1 = \frac{40 \times 5}{100}$

$x + 1 = 2 \rightarrow x = 2 - 1$

$x = 1$

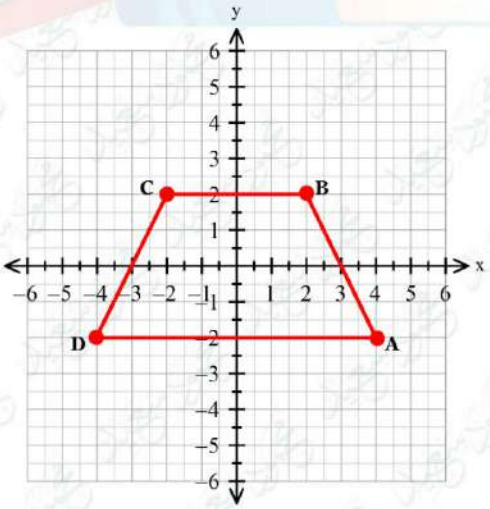
25 The two bases of parallelogram are 10 cm and, 5 cm the smaller height is 5 cm, find the area of the parallelogram

The area of parallelogram = the length of greater base × the length of smaller height

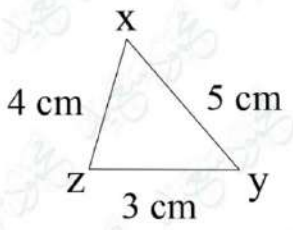
$= 10 \times 5 = 50\ cm^2$

26 plot A (4,-2), B (2,2) , C(-2,2) , D(-4,-2) , What kind of shape do they make ?

ABCD is Trapezium



27 From the opposite triangle, find the ratio between $\overline{xy}$ and the perimeter of the triangle



Perimeter of triangle = $5 + 4 + 3 = 12\ cm$

The ratio between $\overline{xy}$: perimeter

5 : 12

28 If $\frac{4}{9}$ is equivalent to $\frac{x}{18}$, then $x - 4 =$

$\frac{4}{9} = \frac{x}{18}$

$x = \frac{4 \times 18}{9} = 8 \rightarrow x = 8$

Then $x - 4 = 8 - 4 = 4$

29 What type of triangle is it according to the measure of its angles in which its heights intersect out side it?

obtuse triangle

30 A box of the table tennis balls weighs $\frac{10}{18}$ of a kg if each ball weighs $\frac{5}{27}$ of a kg. then how many balls are there in the box?

Number of balls = $\frac{10}{18} \div \frac{5}{27} = \frac{10}{18} \div \frac{27}{5} = 3$ balls

31 Yasin covered $\frac{3}{5}$ of kilometre in 3 laps. What is the distance he covered in one laps?

Distance in one lap = $\frac{3}{5} \div 3 = \frac{3}{5} \times \frac{1}{3} = \frac{1}{5}$

Yasin covered $\frac{1}{5}$ of distance in one lap

32 How many heights are there in a triangle?

Three heights

33 What type of triangle is it according to its measures of its angles in which its heights intersect inside it?

Acute triangle

34 If x (a, 2) and y (3, -2) and given that a < 0 and the length of xy is 6 units, then find the value of a ?

The distance between x and y =

$|x_1| + |x_2| = 6$

$|a| + |-3| = |6|$

Then a = 3 or a = -3

Therefore a < 0

Then a = -3

35 A piece of cloth of 4 meter long was put in water it shrunk by 5%, what is the length after shrinking?

First way:

Length after shrunk = $\frac{5}{100} \times 4 = 3.8\ meter$

Second way :

Before : shrunk : after

100% : 5% : 95%

4 : :?....

Length after shrunk = $\frac{4 \times 95\%}{5\%} = \frac{4 \times 95}{5} = 3.8\ meter$

36 Find the area of the rhombus whose perimeter 40 cm and height 8 cm?

Perimeter of the rhombus = $4 \times s$

$40 = 4 \times side\ length$

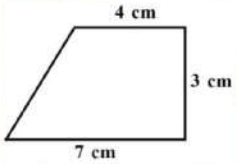
Side length = $40 \div 4 = 10\ cm$

Area of the rhombus = side length × height

Area = $b \times h$

= $10 \times 8 = 80\ cm^2$

37 Find the area of the opposite trapezim



$b_1 = 7\ cm, b_2 = 4\ cm, h = 3\ cm$

$Area\ of\ trapezim = \frac{1}{2} \times (base\ length\ 1 \times base\ length\ 2) \times hight$

A = $\frac{1}{2} \times (b_1 + b_2) \times h$

= $\frac{7+4}{2} \times 3 = \frac{11}{2} \times 3 = \frac{33}{2} = 16.5\ cm^2$

38 If the ratio of a, b = 4 : 5, and a + b = 36, then find the value of a ?

A : b : sum

4 : 5 : 9

? : ? : 36

$9 \times 4 = 36$

Then $a = 4 \times 4 = 16$

Another answer

$a = \frac{4 \times 36}{9} = 16$

Then a = 16

39 If the perimeter of an equilateral triangle is 18 cm and its area is 15 cm^2 , then find its height

The perimeter of equilateral triangle

$P\Delta = 3 \times s$

$s = \frac{p}{3} = \frac{18}{3} = 6\ cm$

The area of triangle $= \frac{1}{2} \times b \times h$

$15 = \frac{1}{2} \times 6 \times\times h$

$h = \frac{2\times15}{6} = 5\ cm$

then the height of $\Delta = 5$ cm

40 On most summer days, camels drink about 30000 malletiers of water. How many litter of water is that?

$30000\ mL \times \frac{1L}{1000mL} = 30\ L$

41 The perimeter of square shaped paper is $\frac{6}{11}$ m. find the length of each side of the paper

The length of each side = $\frac{6}{11} \div 4 = \frac{6}{11} \times \frac{1}{4} = \frac{3}{22}\ m$

42 May divided 127.5 L.E among her three sons. Find the share of each one

$127.5 \div 3 = 42.5$ L. E

43 Find the value of m, if $\frac{1}{5} \div m = 5$

$\frac{1}{5} \div 5 = m$

$\frac{1}{5} \times \frac{1}{5} = m$

$m = \frac{1}{25}$

44 Write the ratio 4 : 6 in two different ways?

First way 4 to 6

Second way $\frac{4}{6}$

47 Is $\frac{1km}{100m}$ a conversion factor

Not conversion factor

48 Mona has 60 L.E she spent $\frac{3}{5}$ of what she has what is the percentage of the mony she spent?

The percentage = $\frac{3}{5} \times 100\% = 60\%$

49 Ahmed bought a T.V set. He was a 10% discount of its marked since, was 10000 L.E, find its price after discount

$10\ \%\ of\ 10000 = \frac{10}{100} \times 10000 = 1000$

The price after discount = 10000 – 1000 = 9000 L.E

50 $moving\ the\ point\ (3,4) 3\ units\ to\ the\ right\ and\ 5\ units\ down, then\ what\ is$ end point?

(6, -1)

51 If the point (-1, 4) is the image of point (a, b) by reflection in y-axis, then, what is the value of a + b ?

The point (a, b) = (1, 4)

a + b = 1 + 4 = 5

52 Find the distance between the two points (-2, 3) and (-2, 1)

The two point are in the same quadrant

So, the distance = $|3| - |1| = 2\ units$

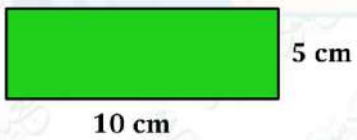
53 If the lunch bill for you and your friend is EGP 300 and the sales tax rate is 5% and a 10% service charge is added. Calculate the totel amount of lunch?

$5\% + 10\% = 15\%$

$15\% \times 300 = \frac{15}{100} \times 300 = 45\ L.E$

Total amount = $300 + 45 = 345\ L.E$

54 Find the ratio between the length and perimeter in the opposite rectangle



Perimeter of rectangle =

$= 2(L + w)$

$= 2(10 + 5) = 2 \times 15 = 30\ cm$

Ratio between length and perimeter

Length : perimeter

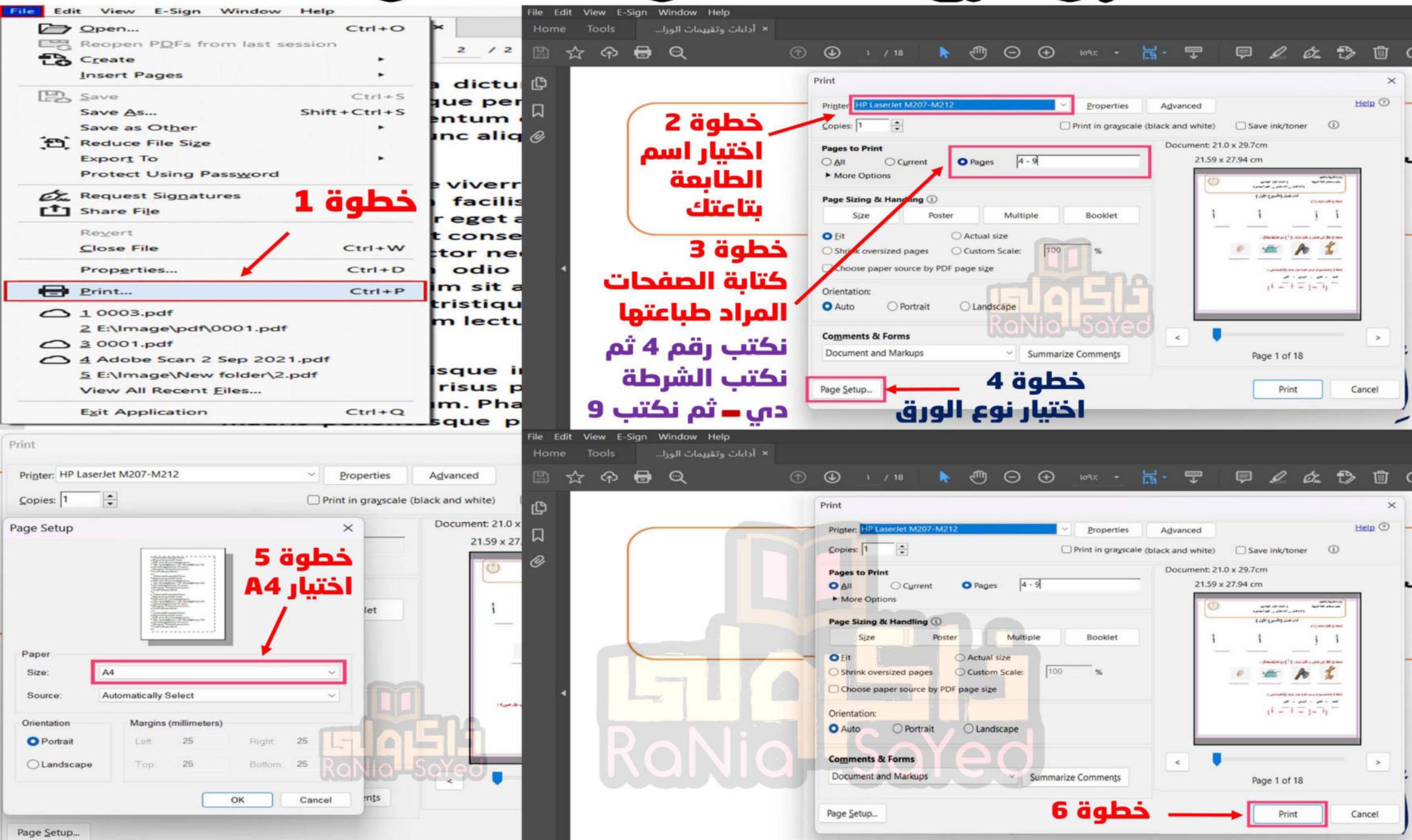
10 : 30

1 : 3

انتهت الأسئلة مع أطيب الامنيات بالنجاح والتوفيق

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاى نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن
مجانا وحصريا

المراجعة رقم (2)

الترم الثانى





Part 1

Q1 / Choose the correct answer :-

1) $4 \div \frac{1}{3} =$

a) $\frac{3}{4}$ b) 4

c) 12 d) 6

1			1			1			1		
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

2) $\frac{1}{4} \div 5 =$

a) $\frac{1}{20}$ b) $\frac{4}{5}$

c) 5 d) 20

$\frac{1}{4}$				
$\frac{1}{20}$	$\frac{1}{20}$	$\frac{1}{20}$	$\frac{1}{20}$	$\frac{1}{20}$

3) You can use the opposite model to solve the problem

$\frac{1}{2}$					$\frac{1}{2}$				
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

a) $\frac{1}{10} \div \frac{1}{2}$ b) $\frac{1}{10} \div 5$

c) $\frac{1}{2} \div 5$ d) $\frac{1}{2} \div 10$

4) $\frac{4}{7} \div$ $= 1\frac{1}{2}$

a) $\frac{8}{21}$ b) $\frac{21}{8}$ c) $\frac{6}{7}$ d) $\frac{7}{6}$

5) $\div \frac{3}{8} = \frac{5}{6}$

a) $\frac{18}{40}$ b) $\frac{15}{16}$ c) $\frac{1}{2}$ d) $\frac{5}{16}$

6) $\times \frac{2}{5} = \frac{4}{15}$

a) $\frac{2}{3}$ b) $\frac{1}{3}$ c) $\frac{3}{2}$ d) 3

7) $\times 1\frac{1}{2} = 1$

a) $\frac{2}{3}$ b) $\frac{1}{3}$ c) $\frac{3}{2}$ d) 3

8) $\frac{3}{5} \times$ $= 1$

a) $\frac{8}{5}$ b) $\frac{3}{5}$ c) $1\frac{2}{3}$ d) 1

9) Half of 22 = ...

a) 11 b) 22 c) 44 d) 2

10) How many $\frac{1}{6}$s are there in $\frac{1}{2}$ apple ?

a) 1 b) 12 c) 3 d) $\frac{1}{3}$

11) How many $\frac{3}{4}$s are there in 6 apple ?

a) 8 b) $\frac{18}{4}$ c) 7 d) $4\frac{1}{2}$

12) 87.29 ÷ 0.29 = 872.9 ÷ ……

a) 2.9 b) 29 c) 290 d) 0.29

13) 327 ÷ 24 = 3.27 ÷ ……

a) 2.4 b) 0.24 c) 24 d) 2004

14) If 123 × 45 = 5535 , then 1.23 × 4.5 = ……

a) 55.35 b) 553.5 c) 5.535 d) 5535

15) If 127.92 ÷ 4.1 = 31.2 , then 12.792 ÷ 4.1 = ……

a) 0.312 b) 3.12 c) 31.2 d) 312

16) 48 × 36 = 1728 then 17.28 ÷ 3.6 = ……

a) 48 b) 480 c) 0.48 d) 4.8

17) 0.33 ÷ 0.11 = ……÷ 11

a) 33 b) 0.33 c) 330 d) 3300

18) Yara uses $\frac{6}{8}$ cup of flour to make 2 cupcakes , how much flour is used to make 1 cupcake ?

a) $\frac{12}{8}$ b) $\frac{3}{8}$ c) $\frac{2}{8}$ d) $\frac{1}{8}$

19) $\frac{2}{3} \div \frac{1}{3}$ …… $\frac{1}{2}$

a) < b) > c) =

20) Any number multiplied by its reciprocal equals …….

a) same number b) 0 c) 1 d) double number

21) The ratio between 6:14 in the simplest form is 3:……

a) 2 b) 3 c) 11 d) 7

22) The ratio between two side lengths of square ……:……

a) 1:4 b) 2:4 c) 1:1 d) 1:2

23) To find the simplest form of the ratio 6:12, we divide the two terms by

a) 2 b) 3 c) 6 d) 1

24) If the ratio between apples to oranges is 4 : 7, then ratio between oranges to apples is ……

a) 11:7 b) 7:4 c) 7:11 d) 4:7

25) The total number of students in a class is 40 and the boys are 15 , then the ratio between girls and boys is ……

a) 3:5 b) 5:3 c) 3:8 d) 5:8

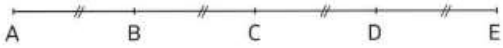
26) If the ratio between two numbers is 1:3 and the first number is 3 , then the second number is ……

a) 9 b) 3 c) 6 d) 12

27) If the ratio of the number of red balls to the number of blue balls is 3 : 4 and the number of blue is 24 , then the number of red is ……

a) 18 b) 32 c) 44 d) 12

28) In the opposite figure , AC:BE = …… : ……



a) 2:3 b) 2:4 c) 1:4 d) 1:3

29) The next ratio of 3:6 , 6,12 , 12:24 , ……

a) 24:48 b) 36:72 c) 24:27 d) 12:24

30) If the ratio between a and b is 1 :4 and the sum of a and b is 20 ,then b = ……

a) 16 b) 4 c) 5 d) 80

31) If the ratio between oranges and bananas is 3 : 4 and the number of bananas is 20, then the difference between them is ……

a) 5 b) 1 c) 15 d) 20

32) If the ratio between two numbers is 2:5 and the smaller number is 10,then the greater number is ……

a) 13 b) 4 c) 7 d) 25

33) If 2:7 is equivalent to X:21 , then X = …….

a) 12 b) 6 c) 7 d) 21

34) If $\frac{8}{X}$ is equivalent to $\frac{1}{2}$, then X = ……

a) 16 b) 4 c) 8 d) 40

35) If the ratio 7:13 is the same ratio X:52 , then X = ……

a) 14 b) 21 c) 28 d) 35

36) If $\frac{4}{7}$ is equivalent to $\frac{X}{35}$, then X - 3 = ...

a) 20 b) 23 c) 17 d) 2

37) If the ratio $\frac{3}{4}$ is equivalent to X : 12 , then X + 5 = ...

a) 14 b) 8 c) 9 d) 12

38) Maria bought 2 kg of banana for 30 L.E. How much money does she pay to buy 6 kg?

a) 15 b) 34 c) 90 d) 60

39) From the following equivalent ratios B + A = ...

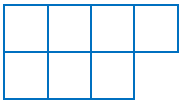
2	6	B
5	a	25

a) 2:3 b) 5 c) 25 d) 31

40) If the ratio between the number of oranges and the number of apples is 3 : 5 and the number of apples is 15, then the number of oranges is

a) 3 b) 5 c) 9 d) 15

41) The opposite tape diagram represents the ratio



a) 4:3 b) 3:4 c) 3:5 d) 1:3

42) Which ratio is equal to 3:4?

a) $\frac{5}{6}$ b) $\frac{15}{20}$ c) $\frac{10}{20}$ d) $\frac{6}{10}$

43) $\frac{a}{b} = \frac{c}{d}$ Which of the following is true ?

a) a×b = c×d b) a×c=b×d c) a×d=c×b d) c×b=d×b

44) If $\frac{X+2}{5} = \frac{28}{35}$, then X = ...

a) 2 b) 4 c) 8 d) 6

45) If $\frac{X}{2} = \frac{8}{X}$,where X is a natural number , then X = ...

a) 2 b) 4 c) 8 d) 6

46) If $\frac{3}{0.5} = \frac{X}{1}$, then X = ...

a) 2 b) 3 c) 9 d) 6

47) $\frac{3}{5}$ is NOT equivalent to

a) $\frac{6}{10}$ b) $\frac{9}{15}$ c) $\frac{12}{25}$ d) $\frac{18}{30}$

48) If $\frac{X}{2^2} = \frac{2}{1}$, then X + 1 = ...

a) 10 b) 4 c) 8 d) 9

49) The simplest form of the ratio 550 to 770 is ……

a) 7 to 5 b) $\frac{55}{75}$ c) 55:7 d) 5:7

50) The product of extremes …… The product of means

a) < b) > c) =

51) 30 L.E. for 5 kg , then the cost of 30 kg is ……

a) 5 b) 30 c) 180 d) 90

52) Which of the following is NOT unit rate ?

a) 140 L,E.weekly b) 90 km per 60 minutes c) 25 L.E. for each kg d) 2 kg of flour per a cake

53) A car consumes $\frac{1}{10}$ liter of petrol to cover 1 km , then it covers ……. km per liter.

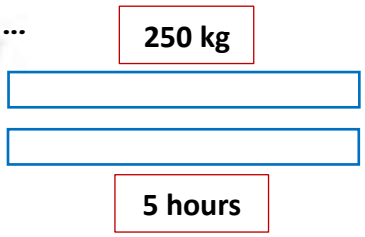
a) 1 b) 5 c) 10 d) 20

54) The missing numbers in the opposite ratio table are ……

Kg	1	2	3	4
L.E.				200

a) 40 , 80 , 120 b) 50 , 100 , 150 c) 45 , 90 , 135 d) 60 , 120 , 180

55) The unit rate of the opposite tape diagram is ……



a) 250 km per 5 hours b) 50 km per hour

c) 55 km per hour d) 100 km per 2 hours

56) By using the opposite double number Line , the unit rate is ……



a) 60 kg per day b) 30 kg per day c) 60 kg per 2 days d) 100 kg per 3 days

57) Which of the following is a conversion factor?

a) $\frac{3km}{1h}$ b) $\frac{60min}{1sec}$ c) $\frac{7days}{1week}$ d) $\frac{1km}{1000cm}$

58) Which of the following is NOT a conversion factor?

a) 1 h = 3600 sec b) 12 months : 1 year c) 1000 mm = 1 liter d) $\frac{1min}{60sec}$

59) $\frac{1\ km}{\ldots\ldots}$ is a conversion factor ?

a) 1 hour b) 1000 m c) 100 m d) 10000mm

60) $\frac{60\ km}{1\ h} \times \ldots\ldots = \frac{60000\ m}{1\ h}$

a) $\frac{1\ km}{1000\ m}$ b) $\frac{1000\ km}{1\ m}$ c) $\frac{1\ m}{1000\ km}$ d) $\frac{1000\ m}{1\ km}$

61) 120 m per min = …… cm per sec

a) 12000 b) 200 c) 720 d) 1200

62) 3.6 L × …… = 3600 mL

a) $\frac{1000\ l}{1\ ml}$ b) $\frac{100\ ml}{1\ l}$ c) $\frac{1000\ ml}{1\ l}$ d) $\frac{1\ l}{1000\ ml}$

63) $2\frac{1}{4}$ day = …… hours .

a) 54 b) 48 c) 2400 d) 24

64) 360 sec = ……h.

a) 60 b) 10 c) 3600 d) 0.1

65) The conversion factor to convert the speed from m per min to km per hr is …….

a) $\frac{60\ min}{1\ h}$ b) $\frac{1\ km}{1000\ m}$ c) $\frac{1\ h}{60\ min} \times \frac{1\ km}{1000\ m}$ d) $\frac{1\ km}{1000\ m} \times \frac{60\ min}{1\ h}$

66) 60 meters per hour = ……. meter(s) per min.

a) 3600 b) 120 c) 360 d) 1

67) $\frac{1\ m}{\ldots\ldots}$ is NOT a conversion factor

a) 100 cm b) 1000 mm c) 0.001 km d) 60 min

68) 4.8 L × $\frac{\ldots\ldots}{\ldots\ldots}$ = 4800 ml

a) $\frac{100\ ml}{1\ L}$ b) $\frac{1000\ L}{1\ ml}$ c) $\frac{1000\ ml}{1\ l}$ d) $\frac{1\ l}{1000\ ml}$

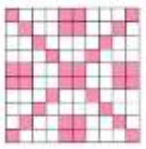
69) If the price of one kilogram of orange is 15 L.E. then the price of 4 kg is ……

a) $3\frac{3}{4}$ b) 30 c) 90 d) 60

70) 3 : 10 = …… %

a) 30 b) 12 c) 25 d) 36

71) The opposite shaded area represents each of the following except ……



a) 36 b) 0.36 c) 36% d) $\frac{9}{25}$

72) 50% of a number = ……

a) the whole number b) half of a number c) third of a number d)quarter of number

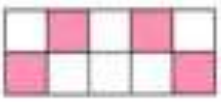
73) Which value is NOT equivalent to 55% ?

a) $\frac{11}{20}$ b) $\frac{55}{100}$ c) 0.55 d) 0.055

74) $1\frac{1}{4}$ = ……. %

a) 25 b) 125 c) 75 d) 175

75) The opposite figure ,The percentage of the shaded part to whole = …… %



a) 0.4 b) 40 c) 4 d) 60

76) 1 - 25% = ……

a) $\frac{3}{4}$ b) $\frac{1}{4}$ c) $\frac{3}{8}$ d) $\frac{1}{8}$

77) If the percent of boys in a school is 62% then the percent of girls is ……

a) 62 b) 42 c) 48 d) 38

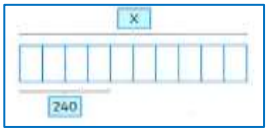
78) Marwan ate 75% of a pizza, so he ate …… half the pizza.

a) exactly b) less than c) more than d) otherwise

79) class has 24 students, 50% of them succeeded in the mathematics exam, then the number of students succeded in the mathematics exam is ……

a) 24 b) 12 c) 18 d) 6

80) From the opposite tape diagram, x = ……



a) 240 b) 600 c) 240 d) 60

81) From the opposite table ,
the value of unknown = ……

Whole	Part	Percent
Unknown	120	40 %

a) 30 b) 120 c) 480 d) 300

82) If the price of a watch is 350 L.E. , then 1% of its price is ……

a) 3.5 b) 0.35 c) 35 d) 0.035

83) If $\frac{x}{5}$ = 20%, then x = …….

a) 2 b) 1 c) 4 d) 5

84) 40% of a number = …… % of half of the same number.

a) 20 b) 10 c) 80 d) 100

85) If the price of a TV set is 20,000 pounds , then 1% of its price = …… pounds .

a) 20 b) 200 c) 400 d) 2000

86) From the opposite double number line X = ……



a) 70 b) 210 c) 140 d) 420

87) 25% of 1000 = 50% of …….

a) 2000 b) 1500 c) 1250 d) 500

Q2/ Complete the following :-

1) The reciprocal of $3\frac{3}{4}$ is ……

2) $\frac{4}{3} \div \frac{2}{9}$ = …… (simplest form)

3) $5 \div \frac{1}{2}$ = …… (simplest form)

4) $\frac{3}{5} \div \frac{3}{5}$ = …… (simplest form)

5) $\frac{9}{10} \div \frac{12}{15}$ = …… (simplest form)

6) × 4 = 1

7) 2.3 × 4 = ...

8) 0.65 × 0.2 = ...

9) 0.676 × 0.1 = ...

10) 2.4 × 3.6 = ...

11) 54.45 ÷ 0.9 = ...

12) 4.8 ÷ 0.16 = ...

13) Fifth of 15 = ...

14) $\frac{2}{3}$ of 27 = ...

15) 3.3 × 1.1 = ...

16) The number of $\frac{2}{5}$ in 2 is

17) $\frac{3}{4} \div m = \frac{3}{8}$, then m = ...

18) $\frac{3}{4} \times m = \frac{3}{8}$, then m = ...

19) $5 \div \frac{2}{3} = 5 \times$

20) The ratio between a and b is 4 : 5 if a = 20,then b=

21) The ratio between two numbers is 2:7 if the greater number is 21 , then the smaller number is

22) if the ratio between two numbers is 4 : 3 and the sum of them is 14, then the two numbers are

23) The simplest form of the ratio 15 : 18 is

24) The first term in the ratio 4 : 7 is

25) The simplest form of the ratio 12 to 20 is

26) The ratio between the number of red beads and the number of green beads is 8 : 5 if the number of green beads is 15 , then the number of red beads is

27) $\frac{5}{8} = \frac{15}{.....}$

28) $\frac{35}{42} = \frac{.....}{6}$

29) If the ratio between a and b is 3:8 , and b is 16,then a = ...

30) The ratio between two numbers is 4 : 5 and the greater number is 20 ,then the smaller number is ……

31) If 4 to 9 is equivalent to $\frac{X}{36}$ then x = ……

32) If Farida has 50 pounds and Malak has 25 pounds. Find the ratio between what Malak has and the total sum of money in simplest form is ……

33) If the ratio between oranges and bananas is 2 : 5 and the number of oranges is 10 , then the difference between them is ……

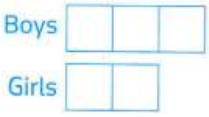
34) If the ratio $\frac{7}{8}$ is equivatent to 14 : X , then x – 2 ……

35) The next ratio of 1 : 4 , 2 to 8 , $\frac{4}{16}$ is ……

36) If 2:7 is equivalent to x:14,then X = ……

37) If the ratio $\frac{4}{9}$ is equivalent to $\frac{12}{X-1}$, then X = ……

38) From the opposite tape diagram , if the sum of boys and girls is 35 , then each box equals ……



39) A car consumes 20 liters of benzene for 150 km , then its consumes 10 liters of benzene for …… km

40) If $\frac{5}{X} = \frac{15}{12}$, then 2X = ……

41) The ratio between side length of square and its perimeter is ……:……

42) The ratio between side of equilateral triangle and its perimeter is …:…

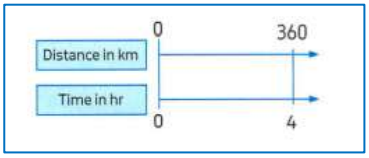
43) There are 24 cookies in 6 boxes, then the number of cookies in 3 boxes using the opposite double number line is ……



44) The ratio between perimeter of rhombus and its side length is ……:……

45) The model  represents …… ÷ ……

46) From the opposite double number line , the unit rate is ……



47) ……. gm = 30 kg

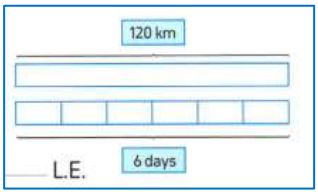
48) 1.500 kg = …… gm.

49) 2.5 hr =…… min.

50) 60 meters per min = …… meter(s) per sec.

51) 54 L.E. for 9 kg , then the cost of 6 kg is ……

52) The unit rate from the opposite tape diagram is ……



53) 360 sec = …… hour(s)

54) 48 km per hr = …… meter per min

55) 120 km per hour = …… meter per min.

56) The percentage is a ratio ……

57) 36% + 24% -17% = ……

58) 12% - 4% = ……

59) 76% + 41% - …… = 100%

60) 1 – (39% + 0.21) = …… %

61) 1 - $\frac{3}{4}$ = ……%

62) $\frac{7}{3}$ × $\frac{3}{7}$ = …… %

63) 15% - 0.15 = …….

64) 225% - $1\frac{1}{4}$ = ……

65) 0.35 + $\frac{9}{20}$ = …… %

66) 28% + 52% + …… = 1

67) 15% + 0.35 + $\frac{1}{2}$ = …… %

68) 62.5% = $\frac{\ldots\ldots}{8}$

69) If $\frac{x}{9}$ = 15 % , then X = ……

70) If $\frac{2}{x+8}$ = 5 % , then X = ……

71) If $\frac{x+6}{20}$ = 50 % , then X = ……

72) 35% ÷ $\frac{7}{20}$ = …… %

73) If the ratio 3:4 is equivalent to $\frac{9}{x-1}$ then x =

74) 10 % of 50 kg = …… gm

75) A store offers a discount 10% off on a shirt of price 300 L.E. ,then the discount = …… L.E.

76) 32% = 1 - …… %

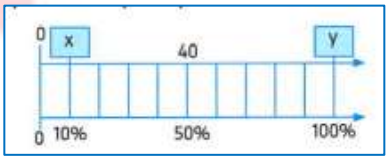
77) If the price of a ball is 120 L.E. then 10% of its price is ……. L.E.

78) 30% + $\frac{1}{2}$ = ……

79) 1 – ($\frac{1}{2}$ + 30 %) = …… %

80) 25% of 1,000 = 50% of ……

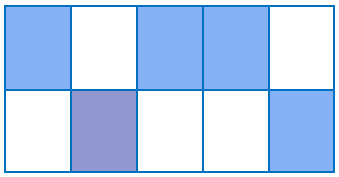
81) From the opposite double number line ,
the value of x + y = ……



82) 15% of 240 kg = …… kg

83) 2 to 5 = ……. %

84) From the opposite figure:
The percentage of the shaded part to whole figure = ……



85) ……. % of 600 L.E. = 120 L.E.

86) 20% of a number = …… % of half of the same number.

87) 45% of a kilometer = …… m

Q3/ Answer the following :-

1) Baher covered $\frac{2}{3}$ kilometers in 5 min. what is the distance covered in one minute ?

2) If the price of one meter of cloth 9.8 L.E. , what is the cost of 1.5 meters of cloth ?

3) A runner covered $\frac{4}{5}$ kilometer in 2 Laps. How many kilometers did he run in one lap ?

4) Farida has 6 titers of milk. she needs to divide them into small bottles of $\frac{3}{4}$ liter each. How many bottles does she need ?

5) Noha uses $\frac{4}{9}$ cup of milk to make 2 mugs of coffee,so she uses …… cup of milk to make one mug of coffee .

6) A box of table tennis balls weighs $\frac{10}{18}$ of a kg. If each ball weighs $\frac{5}{27}$ of a kg , then how many balls are there in the box ?

7) If you need to buy 1.5 kilograms of apples at a cost of 40.50 pounds per kilogram , how much money would you pay ?

8) A car consumed 640 L of gasoline in 4 months , how many liters did the car consume in one month ?

9) Seif bought 3 kg of oranges. He paid 36 L.E. How much money does he pay to buy 5 kg ?

10) Ahmed bought 3 kg of banana he paid 45 L.E. How much money does he pay to buy 6 kg ?

11) A runner covers 8 kilometers in 2 hours. Find the distance he covers in 4 hours at the same speed.

12) From the opposite figure
X + Y = ...

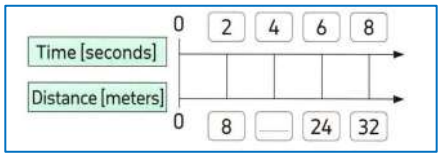
3	12	x
5	y	10

13) If the ratio between number of boys and girls is 7 : 6 and the number of girts is 42 girls , use the double number line to find :
a) The number of boys
b) The number of total pupils

14) The opposite table shows the ratio between boys and girls , then :
a) The value of A = ...
b) The value of B = ...
c) The value of C-B = ...

Boys	Girls	Total
5	7	A
B	C	48

15) Find the missing number in the following :



3	9	___
7	___	28

4	___
5	10

16) Find the value of X in each of the following :

a) $\frac{X-1}{5} = \frac{20}{25}$

b) $\frac{4}{7} = \frac{X+3}{28}$

c) If X : 15 = 3 : 5 , then X + 5 = ……

17) Which is the longest 1.34 m or 200 cm ?

18) Emad covered $\frac{3}{4}$ km in 6 min. What is the distance covered in 2 min ?

19) Two machines produce cloth ,the first one produces 365 meters in 5 hours and the second produces 480 meters in 6 hours. Which machine is better ?

20) Each stone block in the Great Pyramid has a mass of about 2.300 kg. How much is the mass of one block in grams ?

21) On most summer days, camels drink about 20,000 milliliters of water. How many liters of water is that ? Show your calculations

22) Yara has 60 L.E. She spent $\frac{3}{5}$ of what she has. What is the percentage of the money she spent ?

23) There are 100 members in a club, half of them above 40 years. What is the percentage of the number of members that above 40 years ?

24) The number of children in a nursery is 50 , if 40% of them are vaccinated. What is the number of the vaccinated children in this nursery ?

25) Youssef bought a car for 70,000 pounds , he paid 25% of its price. How much money did he pay ?

26) The price of a mobile phone before a discount is 3,000 pounds. if the discount is 10 %, What is its price after the discount ?

27) If a man deposited 20,000 pounds in a bank with interest 20% per year. Find the total amount which he gets at the end of one year.

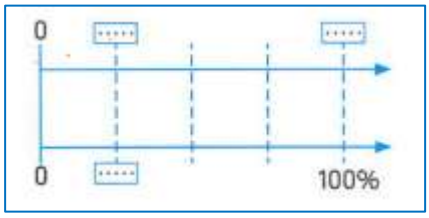
28) On the sale a shop offers a discount 20% if the price of an article is 1,600 pounds. Find its price after discount

29) A piece of cloth of 10 meters long , was put in water. it shrunk by 4% What is the length after shrinking ?

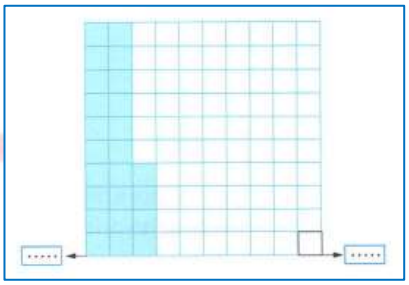
30) 20% of the students in a class are wearing black There are 40 students in the class. How many students are wearing black ?

31) Find the value of each of the following by using the given model .

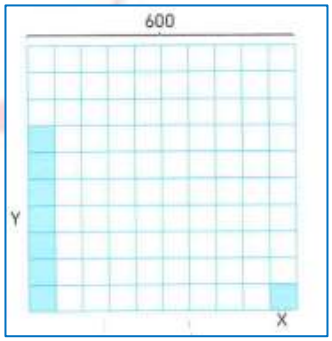
a) 25% of 80



b) 24% of a number is 72



32) From the opposite 10 x 10 grid , Find: X + Y .

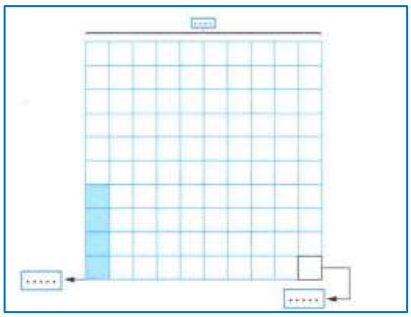


33) Find the value of X

a) $\frac{x}{8} = \frac{10}{20}$

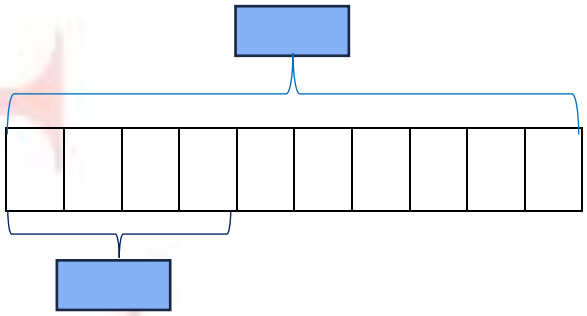
b) $\frac{x+1}{10} = 30\%$

34) Find the value of 4% of 200 by using the opposite 10 x 10 grid.



35) 60 Children from school went to a trip and this is 40% of all children in the school. How many all children in the school ?

36) If 40% of a number is 140 , find the number by using the opposite tape diagram .



Part 2

Q1 / choose the correct answer :-

1) point both of whose coordinates are negative will Lie in ……
a) 1st quadrant b) 2nd quadrant c) 3rd quadrant d) 4th quadrant

2) If the y-coordinate of a point is zero, then this point always lies ……
a) 1st quadrant b) 2nd quadrant c) on Y-axis d) on X-axis

3) point (0 , -7) lie on …….
a) 1st quadrant b) 4th quadrant c) on Y-axis d) on X-axis

4) point (-3 , 4) lie on …….
a) 1st quadrant b) 2nd quadrant c) 3rd quadrant d) 4th quadrant

5) If the x-coordinate of a point is zero, then this point Lies ……
a) 1st quadrant b) 2nd quadrant c) on Y-axis d) on X-axis

6) Which point lies in the third quadrant ?
a) (0 , -5) b) (-5 , -11) c) (-5 , 0) d) (-5 , 11)

7) Which of the following points lies on the y-axis ?
a) (-1 , 0) b) (0 , -1) c) (5 , 0) d) (3 , 3)

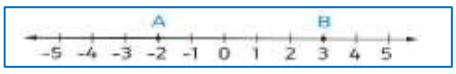
8) The points (-5 , 2) and (2 , -5) tie in the ……
a) 2nd and 4th quadrants, respectively b) Same quadrant
c) 2nd and 3rd quadrants, respectively d) 4th nd and 3rd quadrants, respectively

9) The image of the point (2 , -5) by reflection across the x-axis is the point ……
a) (2 , -5) b) (-2 , 5) c) (2 , 5) d) (-2 , -5)

10) The image of the point (4 , 0) by reflection across the y-axis is the point
a) (-4 , 0) b) (0 , -4) c) (4 , 0) d) (0 , 4)

11) If the point A (- 2 , 3) moved 2 units to the right then 3 units downward, then A will be ……
a) (-2 , 0) b) (0 , 1) c) (0 , 0) d) (1 , 1)

12) The distance between a and b is ……



a) 1 units b) 4 units c) 5 units d) 6 units

13) If we have the points A (5 , -5) and B (5,4), then the length of AB = ……
a) 10 units b) 4 units c) 5 units d) 9 units

14) If the two points A (1 ,2) and B (5,4) are two vertices of a right-angled triangle ABC , then the point C could be

a) (1 , 4) b) (1 , 3) c) (3 , 1) d) (4 , 1)

15) If A (1 ,3) and C (4 ,1) and AB ⊥ BC , then the point B is

a) (1 , 4) b) (1 , 1) c) (3 , 1) d) (4 , 2)

16) The point (-2,3) lies in the

a) 1st quadrant b) 2nd quadrant c) 3rd quadrant d) 4th quadrant

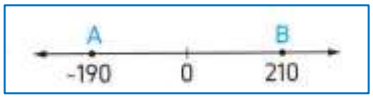
17) The distance between the point (2 ,3) and its image by reflection across y-axis = ... units .

a) 3 b) 2 c) 6 d) 4

18) The point at the position (-1 ,3) has moved 2 units to the right and 3 units upwards then its new position is

a) (2 , 5) b) (0 , 5) c) (0 , 6) d) (1 , 6)

19) In the opposite figure , the distance between the two points A and B = ... units .



a) 20 b) 210 c) 190 d) 400

20) Plot the points O (0,0), A (3,0), B (3,4), C (0,4) and draw OA,AB,BC and CO , which figure is obtained ?

a) square b) rectangle c) trapezium d) rhombus

21) Which point is a reflection of (12 ,-8) across the y-axis on a coordinate plane ?

a) (-12 , -8) b) (8 , 12) c) (-8 , 12) d) (12 , 8)

22) The image of the point (-3 ,-5) by reflection in the x-axis lies in

a) 1st quadrant b) 2nd quadrant c) 3rd quadrant d) 4th quadrant

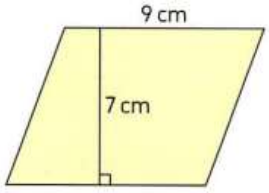
23) Moving the point (3 ,4) 3 units to the right and 5 units down , then the end point is

a) (0 , 9) b) (6 , -1) c) (0 , -1) d) (6 , 9)

24) Area of a parallelogram = ……cm²

a) 63 b) 16

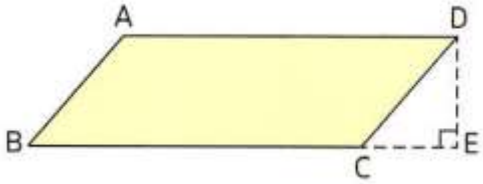
c) 32 d) 79



25) The corresponding base in the parallelogram to the height DE is ……

a) AB b) BC

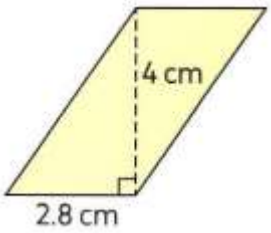
c) CE d) CD



26) Area of a parallelogram = ……. cm²

a) 6.8 b) 11.2

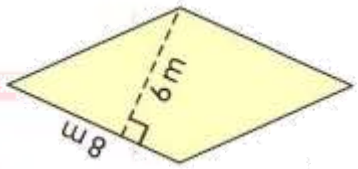
c) 13.6 d) 24.8



27) Area of a rhombus = ……. m²

a) 14 b) 48

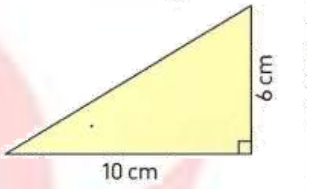
c) 24 d) 28



28) Area of a triangle = ……cm²

a) 60 b) 16

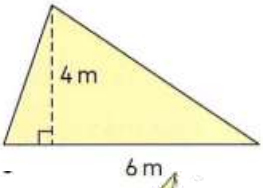
c) 30 d) 15



29) Area of a triangle = ……m²

a) 24 b) 12

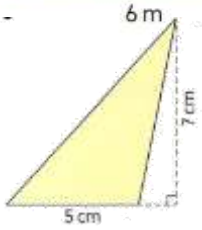
c) 10 d) 46



30) Area of a triangle = ……cm²

a) 63 b) 17.5

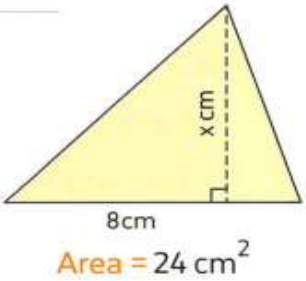
c) 35 d) 15.7



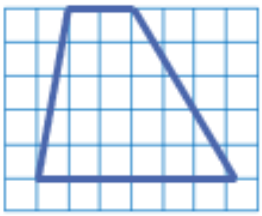
31) the value of X = ……

a) 3 b) 12

c) 6 d) 14

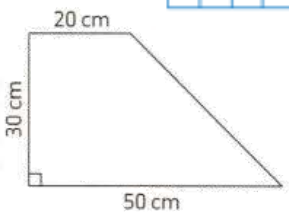


32) Area of a trapezium = ... square units



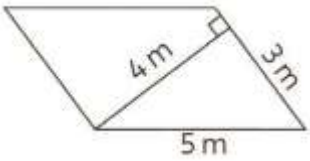
a) 18 b) 20
c) 24 d) 30

33) Area of a trapezium = ...cm^2



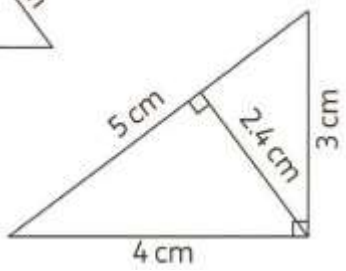
a) 750 b) 1050
c) 900 d) 2000

34) Area of a parallelogram = ...m^2



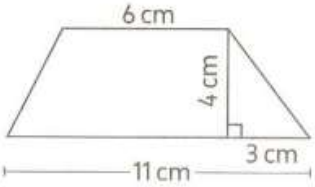
a) 20 b) 12
c) 15 d) 8

35) Which expression represents the area of the drawn triangle ?



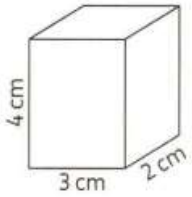
a) $\frac{1}{2} \times 3 \times 5$ b) $\frac{1}{2} \times 2.4 \times 4$
c) $\frac{1}{2} \times 3 \times 4$ d) $\frac{1}{2} \times 4 \times 5$

36) the area of opposite trapezium is cm^2



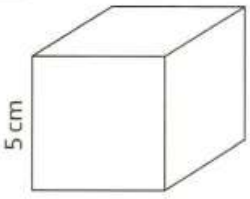
a) 34 b) 30
c) 55 d) 40

37) The surface area of the following cuboid = ...cm^2



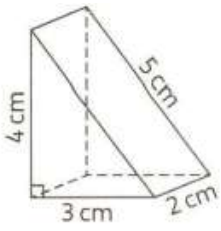
a) 12 b) 52
c) 24 d) 104

38) The surface area of the following cube = ...cm^2



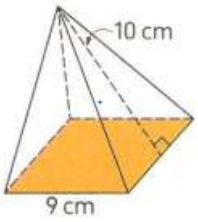
a) 25 b) 75
c) 50 d) 150

39) The surface area of the triangular prism = ...cm^2



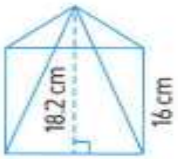
a) 24 b) 48
c) 36 d) 56

40) The surface area of the square pyramid = ……cm²



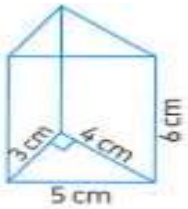
a) 148 b) 240
c) 156 d) 261

41) The surface area of the square pyramid = ……cm²



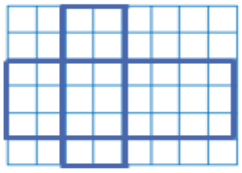
a) 886.4 b) 838.4
c) 834.8 d) 388.4

42) The surface area of the square pyramid = ……cm²



a) 72 b) 84
c) 42 d) 60

43) The surface area of the following cuboid = ……cm²



a) 30 b) 16
c) 32 d) 24

44) A parallelogram with area 24 cm² and base length 6 cm , then its corresponding height = ……

a) 3 b) 4 c) 5 d) 6

45) Area of a parallelogram = …….

a) b + h b) b ÷ h c) b × h d) (b + h) × 2

46) The height of a rhombus whose area is 10 cm² and side length 50 mm is …… cm

a) 5 b) 20 c) 2 d) 500

47) Area of a rhombus whose side length is 2.4 cm and its height is 2 cm is …… cm²

a) 4.8 b) 5.6 c) 8 d) 10.2

48) Area of triangle = ……

a) $\frac{1}{2}$ + b + h b) $\frac{1}{2}$ × (b + h) c) $\frac{1}{2}$ × b × h d) 2 × b × h

49) If ABC is a right-angled triangle at B , and BC = 10cm , AB = 8cm then its area = ……cm^2

a) 40 b) 80 c) 18 d) 9

50) A rhombus of side length 14 cm and the ratio between its height and its side length is 5 : 7,then the area of the rhombus is ……

a) $35cm^2$ b) $70cm^2$ c) $100cm^2$ d) $140cm^2$

51) The side length of the cube which its surface area equals 96 m^2 equals ……

a) 5m b) 3m c) 2m d) 4m

52) If the three dimensions of a cuboid are doubled, then the ratio between the new volume to the original volume of the cuboid is ……

a) 8 : 1 b) 1 : 8 c) 1 : 4 d) 4 : 1

53) The perimeter of one face of a cube is 28 cm,then the surface area of the cube is ……

a) 168 b) 244 c) 294 d) 314

Q2 / Complete the following :-

1) If the two points A(-2,2) and B (3,a) are on the same horizontal line in the coordinate plane, then a = ……

2) In the opposite figure: if AB = 30 units, then X = …….



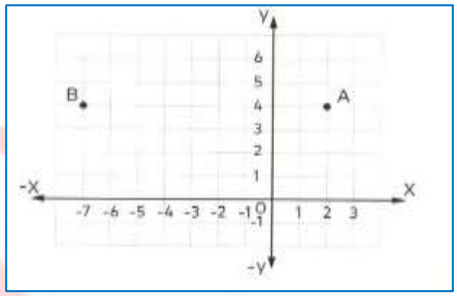
3) The image of the point (-4,1) by reflection in the y-axis is the point ……

4) If the point (- 1 ,4) is the image of the point (a , b) by reflection in the y-axis ,then a+b = …….

5) The distance between the point (0 ,-4) and the origin O = …… units .

6) The figure with the vertices A (2 ,5) ,B (-2,5) ,C (-2,-1) and is called ……

7) In the opposite coordinate plane , the length of AB = …… units.



8) You are at (- 1 ,0). Move 2 units Left and 5 units up. Where do you land ?

9) The distance between C (3,-4) and D (3,-2) is …… units

10) The image of the point (2 ,-4) by reflection across the x-axis is ……

11) The point (4,3) lies in the …… quadrant

12) The image of the point (3 ,1) by reflection across the y-axis is the point ……

13) The point ($-2\frac{1}{4}$, 0) lies on the …… -axis.

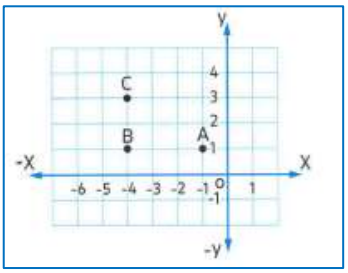
14) The distance between A and B is …… units .



15) The distance between the two points (3 ,-4) and (3 , 7) is …… units .

16) The distance between A (2, y) and B (2,-1) is 6 units and the point A lies in first quadrant , then y = ……

17) From the opposite coordinate plane , if ABCD is a rectangle ,then the coordinates of the Point D is (…… , ……) .



18) The distance between the point (1 ,2) and its image by reflection across x-axis = …… units .

19) The point M is located 3 units to the right and 5 units up from the origin point,then the ordered pair that represents the point M is ……

20) A point is located 2 units to the left of the origin point and 3 units up 'then the point is ……

21) Start at the point (5,3) and move 2 units left and 4 units up, then the end point is ……

22) The point (4 , 2) is …… units from the y-axis

23) parallelogram is of area 3.6 m^2 and a base length 0.9 m, then its corresponding height is ……m

24) If a base length of a phraseogram is 10 m and its corresponding height is 3 m less than it , then the area of the parallelogram is ……cm^2

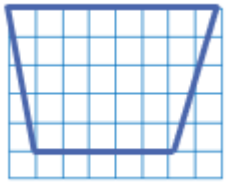
25) If the two dimensions of a parallelogram are 7 cm and 4 cm and its smaller height is 6 cm, then its area is …… cm^2

26) A triangle is of base length 5 cm and its corresponding height is 2 cm more than it , then the area of the triangle is ……cm^2

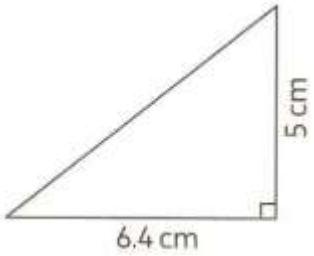
27) The area of the rhombus whose perimeter is 20 cm and its height is 3.4 cm is ……cm^2

28) A rhombus of side Length 10 cm and the ratio between its side length and its height is 5:4 then the area of the rhombus is ……cm^2

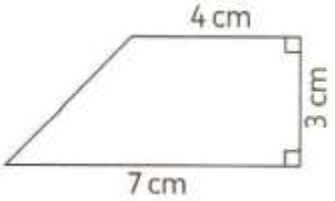
29) The area of opposite trapezium is …… cm^2



30) The area of opposite triangle is …… cm^2



31) The area of opposite trapezium is …… cm^2



32) The surface area of a cuboid that has length of 6 cm , width of 3 cm , height of 9 cm is ……

33) The surface area of a cube of side length 3.5 m is ……

34) The surface area of a cube where the perimeter of one of its faces is 28 cm is ……

35) The surface area of a cuboid that has a square base of side length 5 cm, and a height 8 cm is ……

36) The volume of the cuboid = …… × height

37) The volume of the cuboid = …… × …… × height

38) The volume of the cuboid whose dimensions are 2.5 cm 5.8 cm and 5.3 cm is ……

39) If one dimension of a cuboid is doubled , then the ratio of the new volume to the original volume in the simplest form is ……

40) If one dimension of a cuboid is divided in half , then the ratio of the original volume to the a new volume is ……

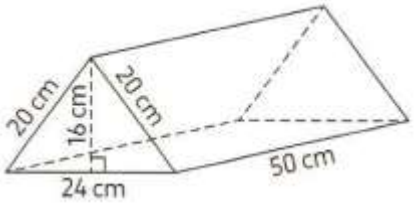
41) A cuboid of volume 200 cm^3, if its length is doubled , then the new volume of the cuboid is …… cm^2

42) A gift box in the shape of a cube of side length 30 cm, then its surface area is …… cm^2

43) The surface area of the square pyramid in which the side length of its squared base is 8 cm, and the height of one of its triangular faces is 6 cm is …… cm^2.

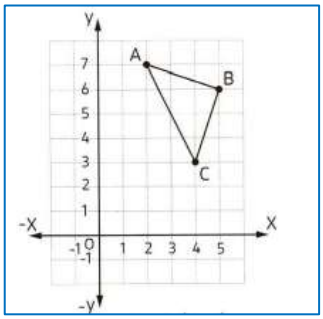
44) A cuboid of square base of side length 5 cm, and its height is 12 cm , then its volume is ……

45) The surface area of the opposite triangular prism = ……cm^2



Q3 / Answer the following :-

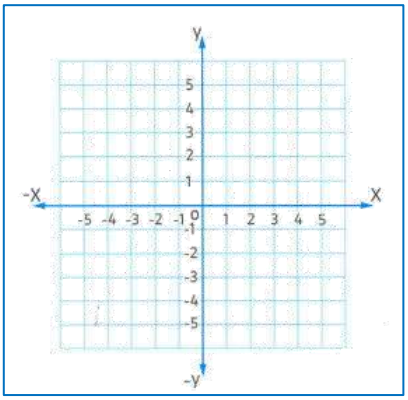
1) In the opposite figure :
Which set of ordered pairs shows the coordinates of the points A, B and C?



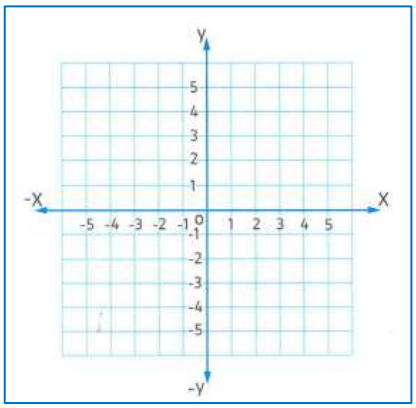
a) (7,2),(6,5),(3,4)
b) (7,2),(5,6),(3,3)
c) (2,7),(5,6),(4,3)
d) (2,7),(6,5),(4,3)

2) On the opposite grid :-

a) Plot the following points A (3,2), B (-3,2), C (-3,-2) and D (3,-2)
b) Now, connect them.
c) Identify the shape.

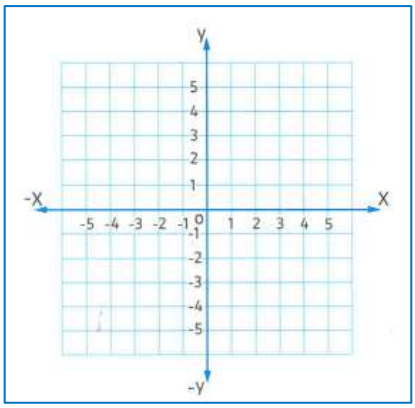


3) Graph the points A (4,4), B (4,1) and C (1,1) join them to draw the triangle ABC and find the images of each point by reflection across the x-axis .

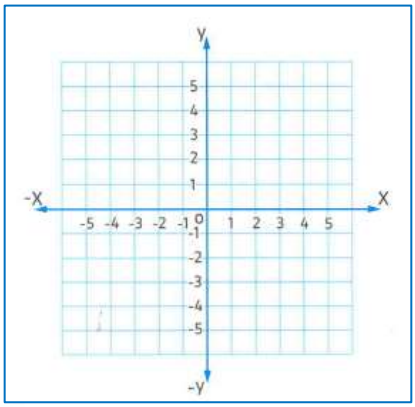


4) Plot the points A (1 ,-1) ,B (1 ,3) ,C (-3,3) and D (-3,-1)

What is the name of the figure ABCD



5) Graph the points A (-3,3) ,B (2,3) and D (-3,-1) ,then find the point C which makes ABCD is a rectangle



6) Which has the greater surface area : a cube of side length 10 cm or a cuboid of Length 10 cm, width 9 cm and height 5 cm

Answers

Part 1

Q1

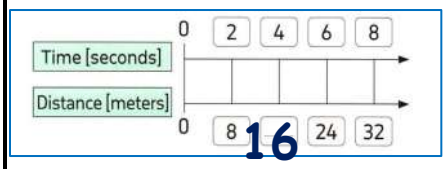
1) c	2) a	3) c	4) a
5) d	6) a	7) a	8) c
9) a	10) c	11) a	12) a
13) b	14) c	15) b	16) d
17) a	18) b	19) b	20) c
21) d	22) c	23) c	24) b
25) b	26) a	27) a	28) a
29) a	30) a	31) c	32) d
33) b	34) a	35) c	36) c
37) a	38) c	39) c	40) c
41) a	42) b	43) c	44) a
45) b	46) d	47) c	48) d
49) d	50) c	51) c	52) b
53) c	54) b	55) b	56) b
57) c	58) c	59) b	60) d
61) b	62) c	63) a	64) d
65) d	66) d	67) d	68) c
69) d	70) a	71) a	72) b
73) d	74) b	75) b	76) a
77) d	78) c	79) b	80) b
81)	82) a	83) b	84) c
85)	86)	87) d	

Q2

1) $\frac{4}{15}$	2) 6	3) 10	4) 1
5) $1\frac{1}{8}$	6) $\frac{1}{4}$	7) 9.2	8) 0.13
9) 0.0676	10) 8.64	11) 60.5	12) 30
13) 3	14) 18	15) 3.63	16) $\frac{4}{5}$
17) 2	18) $\frac{1}{2}$	19) $\frac{3}{2}$	20) 25
21) 6	22) 8 and 6	23) 5:6	24) 4
25) 3:5	26) 40	27) 24	28) 5
29) 6	30) 16	31) 16	32) 1:3
33) 15	34) 14	35) 8:32	36) 4
37) 4	38) 7	39) 75	40) 8
41) 1:4	42) 1:3	43) 12	44) 4:1
45) $2 \div \frac{2}{4}$	46) 90 km per h.	47) 30,000	48) 1500
49) 150	50) 1	51) 36	52) 20 km per day
53) 0.1	54) 800	55) 2000	56) its second term is 100
57) 43%	58) 8%	59) 17%	60) 40
61) 25	62) 100	63) zero	64) 1
65) 80	66) 20%	67) 100%	68) 5
69) 1.35	70) 32	71) 4	72) 100
73) 13	74) 5	75)30	76) 68
77) 12	78) $\frac{4}{5}$	79)20	80) 500
81) 88	82) 36	83) 40	84) 50%
85) 20	86) 40	87) 450	

Q3

1) $\frac{2}{15}$ km.
2) 14.7 L.E.
3) $\frac{2}{5}$ km.
4) 8 bottles
5) $\frac{2}{9}$
6) 3 balls
7) 60.75
8) 160 L
9) 60 L.E.
10) 90 L.E.
11) 16 Km.
12) 6 + 20 = 26
13) a) 49 b) 91
14) a) 12 b) 20 c) 28 – 20 = 8
15)



3	9	12
7	21	28

4	8
5	10

16) a) 25 (X – 1) = 20 × 5

$$(X - 1) = \frac{20 \times 5}{25}$$

$$(X - 1) = 4$$

$$X = 4 + 1 = 5$$

b) 7 (X + 3) = 28 × 4

$$(X + 3) = \frac{28 \times 4}{7}$$

$$(X + 3) = 16$$

$$X = 16 - 3 = 13$$

c) 14

17) The longest is 200 cm.

18) $\frac{1}{4}$ Km.

19) $\frac{265\ m}{5\ h}$ = 73 m/h , $\frac{480\ m}{6\ h}$ = 80 m/h so the second one is better .

20) 2.300 × 1000 = 2300 gm.

21) 20 000 ÷ 1000 20 L.

22) 40%

23) 50%

24) 20 children

25) 1750 pounds

26) 2700 pounds

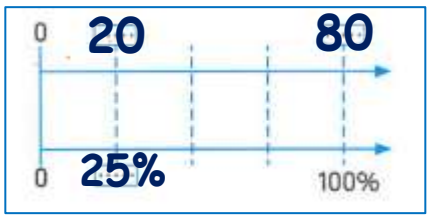
27) 24000 L.E.

28) 1280 L.E.

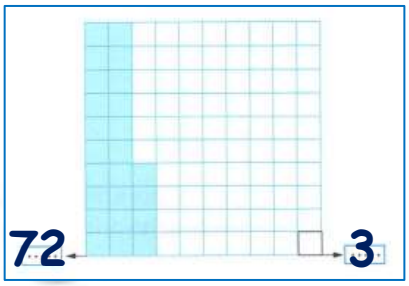
29) 9.6 m.

30) 8 students

31) a) 25% of 80 = 20

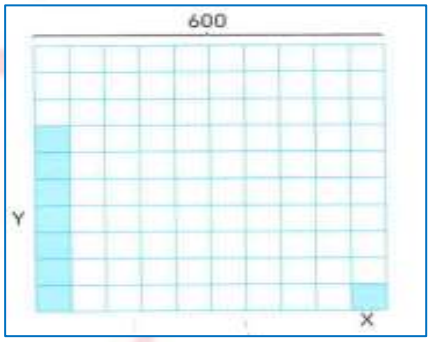


b) 24% of a number is 72 , no = 300



32) X + Y = 6 + 42 = 48

Y= 42



X = 6

33) a) $\frac{x}{8} = \frac{10}{20}$

$x = \frac{8 \times 10}{20} = 4$

b) $\frac{x+1}{10} = 30\%$

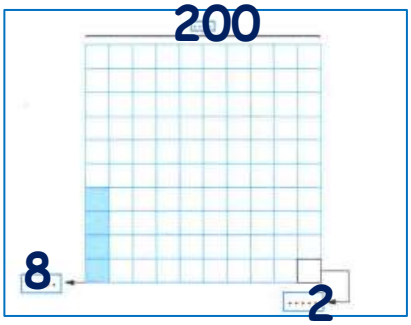
$\frac{x+1}{10} = \frac{30}{100}$

$X + 1 = \frac{10 \times 30}{100}$

$X + 1 = 3$

$X = 3 - 1 = 2$

34) 4% of 200 = 8

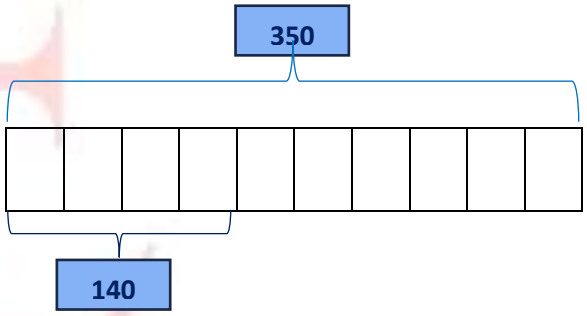


35) 40% of all = 60

All = $60 \div \frac{40}{100}$

$= 60 \times \frac{100}{40}$ = 150 children

36) If 40% of a number is 140 , find the number by using the opposite tape diagram .



Part 2

Q1

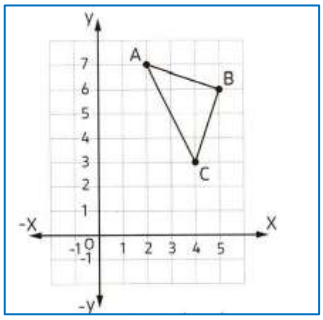
1) c	2) d	3) c	4) b
5) c	6) b	7) b	8) a
9) c	10) a	11) c	12) c
13) d	14) a	15) b	16) b
17) d	18) d	19) d	20) b
21) a	22) b	23) b	24) a
25) b	26) b	27) b	28) c
29) b	30) b	31) c	32) b
33) b	34) b	35) c	36) a
37) b	38) d	39) c	40) d
41) b	42) b	43) a	44) b
45) c	46) c	47) a	48) c
49) a	50) d	51) d	52) a
53) c			

Q2

1) 2	2) 19.5	3) (4 , 1)	4) 1 + 4 = 5
5) 4	6) triangle	7) 9	8) (-3 , 5)
9) 2	10) (2 , 4)	11) first	12) (-3 , 1)
13) y	14) 9	15) 11	16) 5
17) (-1 , 3)	18) 4	19) (3 , 5)	20) (-2 , 3)
21) (3 , 7)	22) 2	23) 4	24) 30
25) 42	26) 17.5	27) 20.4	28) 80
29) 32.5	30) 16	31) 16.5	32) 198
33) 73.5	34) 294	35) 210	36) face area
37) L × W	38) 76.85	39) 2 ; 1	40) 2 : 1
41) 400	42) 5400	43) 160	44) 300
45) 2504			

Q3

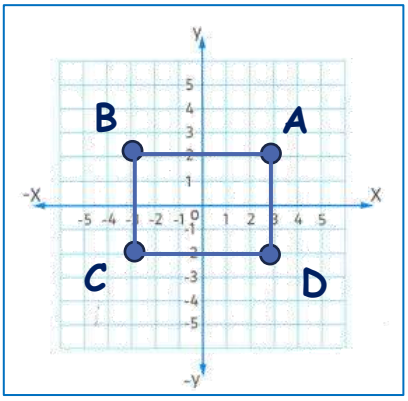
1) In the opposite figure :
Which set of ordered pairs shows the coordinates of the points A, B and C?



a) (7,2),(6,5),(3,4)
b) (7,2),(5,6),(3,3)
c) (2,7),(5,6),(4,3)
d) (2,7),(6,5),(4,3)

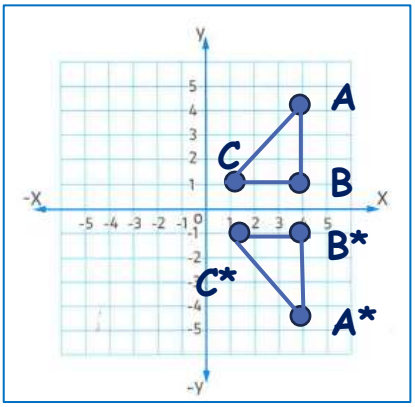
2) On the opposite grid :-

a) Plot the following points A (3,2), B (-3,2), C (-3,-2) and D (3,-2)
b) Now, connect them.
c) Identify the shape. rectangle



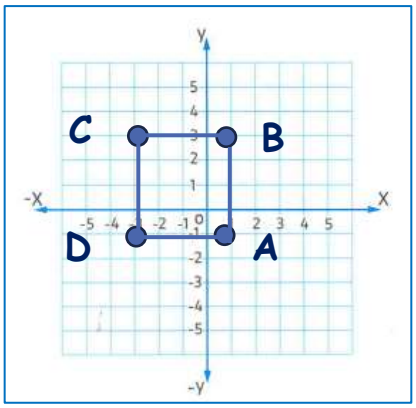
3) Graph the points A (4,4), B (4,1) and C (1,1) join them to draw the triangle ABC and find the images of each point by reflection across the x-axis .

point	image
A (4,4)	A* (4,-4)
B (4,1)	B* (4,-1)
C (1,1)	C* (1,-1)

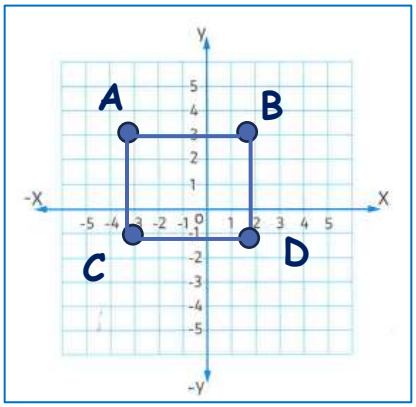


4) Plot the points A (1 ,-1) ,B (1 ,3) ,C (-3,3) and D (-3,-1)

What is the name of the figure ? **square**



5) Graph the points A (-3,3) ,B (2,3) and D (-3,-1) ,then find the point C which makes ABCD is a rectangle **D is (2 , -1)**



6) Which has the greater surface area : a cube of side length 10 cm or a cuboid of Length 10 cm, width 9 cm and height 5 cm

Area of cube = $10 \times 10 \times 6 = 600\ cm^2$

Area of cuboid = $2 (10 \times 9 + 10 \times 5 + 9 \times 5)$

$= 2 (90 + 50 + 45)$

$= 2 \times 185 = 370\ cm^2$

So , the greater one is area of cube

حمل الآن
مجانا وحصريا

المراجعة رقم (3)

الترم الثانى





بسم الله الرحمن الرحيم

Question (1) Choose the correct answer.

1) The number that names a part of a whole ……

A) Fraction B) Numerator C) Denominator

2) The number that tells how many equal parts are there ……

A) Fraction B) Numerator C) Denominator

3) The number that represented how many equal parts have been counted …….

A) Fraction B) Numerator C) Denominator

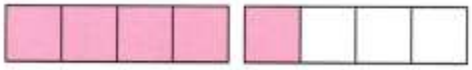
4) There are …… quarter in 1 whole.

A) 2 B) 3 C) 4 D) 5

5) $\frac{6}{\ldots\ldots} = 1$

A) 5 B) 6 C) 7 D) 8

6) The opposite model represents ……..



A) $\frac{5}{4}$ B) $\frac{6}{4}$ C) $\frac{7}{4}$ D) $\frac{4}{4}$

7) $\frac{3}{5} \div 2 =$ ……

A) $\frac{6}{5}$ B) $\frac{3}{10}$ C) $\frac{6}{10}$ D) $\frac{3}{5}$

8) $8 \div \frac{1}{2} =$ ……

A) 8 B) 24 C) 16 D) 4

9) $\frac{1}{2} \div 8 =$ ……

A) $\frac{8}{2}$ B) $\frac{2}{8}$ C) $\frac{8}{16}$ D) $\frac{1}{16}$

10) $\frac{4}{7} \div 1 =$ ……

A) $\frac{-4}{7}$ B) $\frac{7}{4}$ C) $\frac{4}{7}$ D) $\frac{-7}{4}$

11) $\frac{2}{3} \div \frac{2}{3} =$ ……

A) $\frac{4}{9}$ B) $\frac{1}{3}$ C) 1 D) $\frac{9}{2}$

12) $\frac{2}{3} \div \frac{3}{2} =$ ……

A) $\frac{4}{9}$ B) $\frac{1}{3}$ C) 1 D) $\frac{9}{2}$

13) $\frac{2}{3}$ Of 24 is ……

A) 8 B) 24 C) 16 D) 4

14) $\frac{1}{2}$ Of 16 is ……

A) 8 B) 24 C) 16 D) 4

15) $\frac{1}{3}$ Of 48 is ……

A) 8 B) 24 C) 16 D) 4

16) $\frac{3}{4}$ Of 24 is ……

A) 8 B) 24 C) 16 D) 4

17) When dividing a whole number by a fraction less than 1, the quotient is …….. Than the dividend.

A) Greater B) Smaller C) equal

18) There are …… thirds in 2 whole.

A) 5 B) 6 C) 7 D) 8

19) $\div 1\frac{1}{3} = 1$

A) $\frac{4}{3}$ B) $\frac{3}{2}$ C) 1 D) $2\frac{1}{2}$

20) $\frac{3}{4} \div 3 =$

A) $\frac{4}{3}$ B) $\frac{9}{4}$ C) 1 D) $\frac{1}{4}$

21) $\frac{4}{7} \div$ $= 1\frac{1}{2}$

A) $\frac{8}{21}$ B) $\frac{21}{8}$ C) $\frac{6}{7}$ D) $\frac{7}{6}$

22) $\frac{1}{4} \div \frac{1}{2}$ $\frac{1}{7}$

A) > B) < C) =

23) Half of 7 is

A) $3\frac{3}{4}$ B) $3\frac{1}{4}$ C) 3 D) $3\frac{1}{2}$

24) 6.03 × 10 = ...

A) 6.3 B) 60.3 C) 603 D) 6.30

25) 5.4 ÷ 10 = ...

A) 5.4 B) 54 C) 0.54 D) 5.04

26) 85.3 × 100 = ...

A) 85.3 B) 0.853 C) 853 D) 8530

27) 85.3 ÷ 100 = ...

A) 85.3 B) 0.853 C) 853 D) 8530

28) 0.005 × 100 = ...

A) 0.5 B) 0.05 C) 5 D) 0.005

29) 1.2 × 3 = ……..

A) 0.036 B) 0.36 C) 3.6 D) 36

30) 1.2 × 0.3 = ……..

A) 0.036 B) 0.36 C) 3.6 D) 36

31) 0.12 × 3 = ……..

A) 0.036 B) 0.36 C) 3.6 D) 36

32) 1.2 × 0.03 = ……..

A) 0.036 B) 0.36 C) 3.6 D) 36

33) 0.12 × 0.3 = ……..

A) 0.036 B) 0.36 C) 3.6 D) 36

34) 80000 ÷ 100 = ……

A) 8 B) 80 C) 800 D) 8000

35) 80000 ÷ 10 = ……

A) 8 B) 80 C) 800 D) 8000

36) 80000 ÷ 10000 = ……

A) 8 B) 80 C) 800 D) 8000

37) 80000 ÷ 1000 = ……

A) 8 B) 80 C) 800 D) 8000

38) 50 ÷ 100 = ……

A) 0.005 B) 0.05 C) 0.5 D) 5

39) 50 ÷ 10 = ……

A) 0.005 B) 0.05 C) 0.5 D) 5

40) 50 ÷ 1000 = ……

A) 0.005 B) 0.05 C) 0.5 D) 5

41) 50 ÷ 10000 = ……

A) 0.005 B) 0.05 C) 0.5 D) 5

42) 700 × 0.1 = ……

A) 0.007 B) 0.07 C) 0.7 D) 70

43) 700 × 0.01 = ……

A) 0.007 B) 0.07 C) 0.7 D) 7

44) 700 × 0.0001 = ……

A) 0.007 B) 0.07 C) 0.7 D) 70

45) 700 × 0.001 = ……

A) 0.007 B) 0.07 C) 0.7 D) 70

46) 700 × 0.00001 = ……

A) 0.007 B) 0.07 C) 0.7 D) 70

47) 54.45 ÷ 9 = …….

A) 60.5 B) 605 C) 0.605 D) 6.05

48) If 48 × 38 = 1728, Then 17.28 ÷ 3.6 = …….

A) 480 B) 48 C) 4.8 D) 0.48

49) 87.29 ÷ 0.29 = 872.9 ÷ ……..

A) 2.9 B) 29 C) 290 D) 0.29

50) 4.8 ÷ 0.16 = ……

A) 3 B) 30 C) 300 D) 0.30

51) 0.676 × 0.1 = ……

A) 67.6 B) 0.0676 C) 6.76 D) 6706

52) The ratio of 6 : 14 in the simplest form is 3 : ……

A) 2 B) 3 C) 7 D) 11

53) The ratio between two sides of square is ……

A) 1 : 4 B) 2 : 4 C) 1 : 1 D) 1 : 2

54) The next ratio of 3 : 6, 6 : 12, 12 : 24, ……

A) 24 : 48 B) 36 : 72 C) 24 : 27 D) 12 : 48

55) If the ratio is 3 : 4 and the greater number is 20, Then their difference is ……

A) 1 B) 5 C) 11 D) 20

56) If the ratio is 1 : 4 and their sum is 20, Then their difference is ……

A) 12 B) 15 C) 16 D) 20

57) If 2 : 7 is equivalent to x : 21, Then x = ……

A) 6 B) 7 C) 12 D) 21

58) if $\frac{x}{2^2} = \frac{2}{1}$, Then $x + 1 =$ ……

A) 4 B) 8 C) 9 D) 10

59) if $\frac{3}{0.5} = \frac{x}{1}$, Then $x =$ ……

A) 2 B) 3 C) 6 D) 9

60) A ratio is in the simplest form when the only factor between its terms is ……

A) 0 B) 1 C) 2 D) 3

61) The ratio between any equilateral tringle perimeter and its side length is : 1

A) 0 B) 1 C) 2 D) 3

62) The ratio between any Rhombus perimeter and its side length is: 1

A) 1 B) 2 C) 3 D) 4

63) The reciprocal of 0.7 is

A) $\frac{10}{7}$ B) $\frac{7}{10}$ C) $\frac{7}{7}$ D) $\frac{10}{10}$

64) The reciprocal of $\frac{5}{2}$ is

A) $\frac{5}{7}$ B) $\frac{2}{10}$ C) $\frac{2}{5}$ D) $\frac{5}{2}$

43) Unit rate is a rate in which the second term is

A) 0 B) 1 C) 2 D) 3

44) 0.1 L of oil for 1 Pound, Then the cost of 6 L is Pound.

A) 0.6 B) 6 C) 16 D) 60

45) 32 L.E for 4 notebook, Then L.E for each notebook.

A) 4 B) 8 C) 16 D) 128

46) 48 L for 12 bottles, Then L for each bottle.

A) 4 B) 8 C) 16 D) 128

47) 24 apples for 6 kg, Then apples for each kg.

A) 4 B) 8 C) 16 D) 128

48) 15 km for 10 m, Then km for each minute.

A) 1 B) 1.5 C) 2 D) 2.5

49) 30 student for 6 benches, Then ……. student for each bench.

A) 4 B) 5 C) 8 D) 30

50) 1000 L.E for 4 shirts, Then ……. L.E for each shirt.

A) 100 B) 200 C) 250 D) 300

51) 210 passenger for 7 buses, Then ……. passenger for each bus.

A) 30 B) 40 C) 50 D) 70

52) 1 km = …….. m.

A) 1 B) 10 C) 100 D) 1000

53) 3 m = …….. dm.

A) 3 B) 30 C) 300 D) 3000

54) 5 mm = …….. cm.

A) 0.05 B) 0.5 C) 5 D) 50

55) 52 kg = …….. ton.

A) 0.052 B) 0.5 C) 5 D) 0.52

56) 7.5 kg = …….. g.

A) 7.5 B) 75 C) 750 D) 7500

57) 76 ml = …….. l.

A) 0.076 B) 0.76 C) 7.6 D) 76

58) 0.5 year = …….. months.

A) 0.5 B) 5 C) 6 D) 8

59) 2 weeks = …….. days.

A) 0.2 B) 2 C) 1.4 D) 14

60) 7 weeks = …….. months.

A) 1.75 B) 2.5 C) 2.75 D) 7

61) 12 days = …….. months.

A) 0.12 B) 0.4 C) 1.2 D) 12

62) 45 minutes = …….. hours.

A) 0.45 B) 0.75 C) 0.5 D) 4.5

63) A percent is a ratio it's second term is …….

A) 1 B) 10 C) 100 D) 1000

64) 0 % = ……..

A) 0 B) $\frac{1}{4}$ C) $\frac{1}{2}$ D) 1

65) 100 % = ……..

A) 0 B) $\frac{1}{4}$ C) $\frac{1}{2}$ D) 1

66) 50 % = ……..

A) 0 B) $\frac{1}{4}$ C) $\frac{1}{2}$ D) 1

67) 25 % = ……..

A) 0 B) $\frac{1}{4}$ C) $\frac{1}{2}$ D) 1

68) $\frac{2}{5}$ = ……. %.

A) 5 B) 40 C) 50 D) 100

68) $\frac{7}{20}$ = ……. %.

A) 30 B) 35 C) 40 D) 45

68) $\frac{3}{50}$ = ... %.

A) 5 B) 6 C) 50 D) 60

68) 0.8 = ... %.

A) 0.8 B) 8 C) 80 D) 800

68) 0.05 = ... %.

A) 0.05 B) 0.5 C) 5 D) 50

69) 80 % = $\frac{\text{.....}}{\text{.....}}$

A) $\frac{4}{5}$ B) $\frac{2}{5}$ C) $\frac{1}{2}$ D) $\frac{5}{4}$

70) 55 % = $\frac{\text{.....}}{\text{.....}}$

A) $\frac{10}{20}$ B) $\frac{20}{10}$ C) $\frac{11}{20}$ D) $\frac{20}{11}$

71) 32 % = $\frac{\text{.....}}{\text{.....}}$

A) $\frac{25}{8}$ B) $\frac{8}{25}$ C) $\frac{32}{25}$ D) $\frac{25}{32}$

72) 60 % = $\frac{\text{.....}}{\text{.....}}$

A) $\frac{3}{5}$ B) $\frac{5}{5}$ C) $\frac{5}{3}$ D) $\frac{5}{4}$

73) 63 % = ...

A) 0.3 B) 0.36 C) 0.6 D) 0.63

74) 25 % = ...

A) 0.2 B) 0.25 C) 0.3 D) 0.52

75) 12 % = ...

A) 0.12 B) 0.2 C) 1.2 D) 2.1

76) 105 % = ...

A) 0.15 B) 1.05 C) 1.5 D) 5.1

77) 15 % of = 75

A) 15 B) 75 C) 100 D) 500

78) 25 % of = 66

A) 200 B) 240 C) 264 D) 300

79) 90 % of = 180

A) 90 B) 100 C) 180 D) 200

80) The signs (+ , -) is locate in quadrant.

A) first B) second C) third D) fourth

81) The signs (- , -) is locate in quadrant.

A) first B) second C) third D) fourth

82) The signs (- , +) is locate in quadrant.

A) first B) second C) third D) fourth

83) The signs (+ , +) is locate in quadrant.

A) first B) second C) third D) fourth

84) The signs (+ , 0) is locate in

A) X-axis B) Y-axis C) Origin point

85) The signs (- , 0) is locate in

A) X-axis B) Y-axis C) Origin point

86) The signs (0 , 0) is locate in

A) X-axis B) Y-axis C) Origin point

87) The signs (0 , -) is locate in …….

A) X-axis B) Y-axis C) Origin point

88) The signs (0 , +) is locate in …….

A) X-axis B) Y-axis C) Origin point

89) The image of the point (2 , 5) by reflection on X axis is ……

A) (2 , -5) B) (-2 , -5) C) (-2 , 5) D) (-5 , 2)

90) The image of the point (1 , 8) by reflection on X axis is ……

A) (-1 , -8) B) (-8 , -1) C) (-1 , 8) D) (1 , -8)

91) The image of the point (2 , 5) by reflection on Y axis is ……

A) (2 , -5) B) (-2 , -5) C) (-2 , 5) D) (-5 , 2)

92) The image of the point (0 , 5) by reflection on Y axis is ……

A) (0 , -5) B) (1 , -5) C) (0 , 5) D) (-5 , 0)

93) The image of the point (0 , 0) by reflection on X axis is ……

A) (0 , 0) B) (1 , -1) C) (-1 , 1) D) (-1 , 0)

94) The image of the point (0 , 0) by reflection on Y axis is ……

A) (0 , 0) B) (1 , -1) C) (-1 , 1) D) (-1 , 0)

95) The image of the point (2 , 5) by reflection on X axis and Y axis is ……

A) (2 , -5) B) (-2 , -5) C) (-2 , 5) D) (-5 , 2)

96) ……. lines is a two straight line which never cross and they keep the same distance apart.

A) Parallel B) Intersecting C) Perpendicular

97) ……. lines is a two straight line which passing through each other in the same point.

A) Parallel B) Intersecting C) Perpendicular

98) ……. lines is a two straight line which intersection and form four square corners.

A) Parallel B) Intersecting C) Perpendicular

99) The area of square = …….

A) S × S B) S + S C) [S + S] × 2 D) $\frac{1}{2}$ × [S × S]

100) The area of rectangle = …….

A) L × W B) L + W C) [L + W] × 2 D) $\frac{1}{2}$ × [L × W]

101) The area of parallelogram = …….

A) b × h B) b + h C) [b + h] × 2 D) $\frac{1}{2}$ × [b × h]

102) In parallelogram the smaller height corresponding to ……. Base.

A) smaller B) greater C) equal

103) In parallelogram the greater height corresponding to ……. Base.

A) smaller B) greater C) equal

104) If the base length of the parallelogram is 10 cm and its corresponding height is 7 cm then its area = ……. cm^2

A) 17 B) 34 C) 35 D) 70

105) If the base length of the parallelogram is 12 cm and its corresponding height is 5 cm then its area = ……. cm^2

A) 17 B) 30 C) 34 D) 60

106) If the base lengths of the parallelogram is 10 cm and 8 cm and its greater height is 7 cm then its area = ... cm^2

A) 28 B) 35 C) 56 D) 70

107) If the base lengths of the parallelogram is 10 cm and 8 cm and its smaller height is 7 cm then its area = ... cm^2

A) 28 B) 35 C) 56 D) 70

108) If the base lengths of the parallelogram is 10 cm and 8 cm and its greater height is 5 cm then its smaller height = ... cm

A) 3 B) 3.5 C) 4 D) 4.5

109) If the base lengths of the parallelogram is 6 cm and 9 cm and its smaller height is 4 cm then its greater height = ... cm

A) 4 B) 5 C) 6 D) 7

110) is a parallelogram whose sides are equal in length.

A) Square B) Trapezoid C) Rhombus D) Rectangle

111) A parallelogram with area 27 cm^2 and its base : height = 3 : 1, then its base = ... cm

A) 3 B) 6 C) 9 D) 12

112) A parallelogram with area 32 cm^2 and its base : height = 2 : 1 then its height = ... cm

A) 4 B) 6 C) 8 D) 12

113) A rhombus with side 6 cm and its height 8 cm, Then its area = ... cm^2

A) 14 B) 24 C) 28 D) 48

114) A rhombus with side 5 cm and its height 4 cm, Then its area = ... cm^2

A) 10 B) 15 C) 18 D) 20

115) A rhombus with perimeter 28 cm and its height 5 cm, Then its area = ... cm^2

A) 12 B) 18 C) 24 D) 35

116) A rhombus with area 60 cm^2 and its height 12 cm, Then its side length = ... cm

A) 5 B) 6 C) 12 D) 72

117) A rhombus with area 72 cm^2 and its side length 9 cm, Then its height = ... cm

A) 8 B) 9 C) 16 D) 72

118) A triangle with area 6 cm^2 and its base : height = 3 : 1, then its base = ... cm

A) 3 B) 6 C) 9 D) 12

119) A triangle with area 16 cm^2 and its base : height = 2 : 1, then its height = ... cm

A) 2 B) 4 C) 6 D) 8

120) The area of triangle = ...

A) b × h B) b + h C) [b + h] × 2 D) $\frac{1}{2}$ × [b × h]

121) If the base length of the triangle is 10 cm and its corresponding height is 7 cm then its area = ... cm^2

A) 17 B) 34 C) 35 D) 70

122) If the base length of the triangle is 5 cm and its corresponding height is 8 cm then its area = ... cm^2

A) 10 B) 20 C) 30 D) 40

123) A triangle with area 27 cm^2 and its base = 6 cm then its height = ……..cm

A) 3 B) 6 C) 9 D) 12

124) A triangle with area 24 cm^2 and its height = 8 cm then its base = ……..cm

A) 3 B) 6 C) 9 D) 12

125) …….. is a quadrilateral which has only one pair of parallel sides.

A) Square B) Trapezoid C) Rhombus D) Rectangle

Question (2) Complete the Following.

1) Any number divided by itself equals ……..

2) …….. Is the additive identity.

3) $\frac{15}{\ldots\ldots} = 5$

4) 0 divided by any number equals ……

5) The number which has only 2 factors is …….

6) The number which has more than 2 factors is ……

7) The smallest odd prime number is ……

8) The only even prime number is ……..

9) $\frac{2}{\ } = \frac{8}{10} = \frac{\ }{30} = \frac{40}{\ }$

10) $\frac{\ }{3} = \frac{4}{6} = \frac{16}{\ } = \frac{\ }{60}$

11) $\frac{1}{\ } = \frac{\ }{15} = \frac{6}{30} = \frac{24}{\ }$

12) …… is the multiplicative identity.

13) $\frac{3}{4} \div \frac{3}{4} =$ ……

14) $\frac{3}{4} \div \frac{6}{4} =$ ……

15) $\frac{2}{3} \div 2 =$ ……

16) $\frac{5}{7} \div \frac{1}{7} =$ ……

17) $\frac{5}{9} \div 2 =$ ……

18) $\frac{6}{7} \div \frac{1}{6} =$ ……

19) $\frac{25}{32} \div \frac{5}{8} =$ ……

20) $\frac{2}{5}$ Of 25 is ……

21) $\frac{3}{7}$ Of 35 is ……

22) $\frac{1}{6}$ Of 42 is ……

23) 6.12 × 10 = ……

24) 84.39 ÷ 10 = ……

25) 11.07 × 100 = ……

26) 70.1 ÷ 100 = ……

27) 54.001 × 100 = ……

28) 63.12 ÷ 1000 = ……

29) 0.001 × 1000 = ……

30) 0.01 ÷ 10 = ……

31) 1 × 10 = ……

32) 6 × 10,000 = ……

33) 8 × 100 = ……

34) 9 × 1,000 = ……

35) …… × 1,000 = 8,000

36) ……. × 1,000 = 10,000

37) 0.5 × 9 = ……..

38) 0.5 × 0.9 = ……..

39) 5 × 0.9 = ……..

40) 0.5 × 0.09 = ……..

41) 0.05 × 0.09 = ……..

42) 600 ÷ 100 = ……

43) 90000 ÷ 10 = ……

44) 7000 ÷ 10000 = ……

45) 30000 ÷ 1000 = ……

46) 40 ÷ 100 = ……

47) 40 ÷ 10 = ……

48) 40 ÷ 1000 = ……

49) 40 ÷ 10000 = ……

50) 800 × 0.1 = ……

51) 800 × 0.01 = ……

52) 800 × 0.0001 = ……

53) 100 × 0.001 = ……

54) 100 × 0.00001 = ……

55) $\frac{3}{4} \div \ldots \ldots \ldots = 1$

56) $\frac{3}{4} \times \ldots \ldots \ldots = 1$

57) $\frac{5}{7} \div \ldots \ldots \ldots = 1$

58) $\frac{1}{3} \div \ldots \ldots \ldots = 8$

59) ……. Is a comparison between two quantities.

60) If $\frac{x}{y} = \frac{z}{l}$, Then $x \times \ldots \ldots = z \times \ldots \ldots$

61) $\frac{35}{50} = \frac{x+2}{10}$, Then $x =$ ……

62) Ali bought 2 kg of apple for 100 L.E, Then the price of 6 kg = ……

63) $\frac{8}{17} = \frac{16}{\ldots\ldots\ldots}$

64) The next ratio to 3 : 4, 6 : 8, 9 : 12, ……. : ……

65) If the ratio between dogs and cats is 3 : 7 and the cats are 21, Then the dogs are ……

66) If 31 × 25 = 775, Then 0.31 × 2.5 = ……

67) 7.23 ÷ 0.1 = ……

68) …… $\times \frac{3}{4} = \frac{1}{2}$

69) $\frac{3}{10} \div 3$ = ……

70) Fifth of 15 is ……

71) There are ……. Halves in 8

72) Five …….. = 1

73) Three …….. = 1

74) Four …….. = 1

75) Four …….. = 2

76) …….. halves = 1

77) …….. quarter = 1

78) ……. halves = 3

79) Two thirds of 27 is …….

80) 3.3 × 1.1 = …….

81) 0.33 ÷ 0.011 = ……. ÷ 11

82) 0.8 ÷ 0.2 = …….

83) Fourth of 8 is …….

84) How many $\frac{1}{8}$ in $\frac{1}{2}$ …….

85) The reciprocal of 0.5 is ……

47) …… is a ratio that compares a quantity to one unit of second quantity.

48) Unit rate is a rate in which the second term is ……

49) 0.05 L of oil for 1 Pound, Then the cost of 6 L is ……. Pound.

50) 42 L.E for 4 notebook, Then ……. L.E for each notebook.

51) 84 L for 12 bottles, Then ……. L for each bottle.

52) 36 apples for 9 kg, Then ……. apples for each kg.

53) 13 km for 10 m, Then ……. km for each minute.

54) 42 student for 6 benches, Then ……. student for each bench.

55) 1200 L.E for 3 shirts, Then ……. L.E for each shirt.

56) 675 passenger for 25 buses, Then ……. passenger for each bus.

57) 2.3 km = …….. m.

58) 1.8 m = …….. dm.

59) 7.2 mm = …….. cm.

60) 44 kg = …….. ton.

61) 7.5 kg = ... g.

62) 824 ml = ... l.

63) 1.5 year = ... months.

65) 5 weeks = ... days.

65) 10 weeks = ... months.

66) 21 days = ... months.

67) 15 minutes = ... hours.

68) $\frac{35\ m}{1\ min} \times \text{——} \times \text{——} = \frac{\quad km}{1\ hr}$.

69) $\frac{20\ cm}{1\ min} \times \text{——} \times \text{——} = \frac{\quad m}{1\ hr}$.

70) $\frac{125\ cm}{1\ min} \times \text{——} \times \text{——} = \frac{\quad km}{1\ hr}$.

71) $\frac{0.048\ km}{1\ sec} \times \text{——} \times \text{——} = \frac{\quad km}{hr}$.

72) $\frac{60\ m}{1\ min} \times \text{——} \times \text{——} = \frac{\quad m}{sec}$.

73) $\frac{120\ km}{1\ hr} \times \text{——} \times \text{——} = \frac{\quad m}{min}$.

74) A percent is a ratio it's second term is

75) 0 % = ...

76) 100 % = ...

77) 50 % = ...

78) 25 % = ...

79) $\frac{4}{5}$ = ... %.

80) $\frac{12}{40}$ = ... %.

81) $\frac{9}{60}$ = ……. %.

82) 0.27 = ……. %.

83) 0.006 = ……. %.

69) 70 % = $\frac{\ldots\ldots}{\ldots\ldots}$

70) 45 % = $\frac{\ldots\ldots}{\ldots\ldots}$

71) 36 % = $\frac{\ldots\ldots}{\ldots\ldots}$

72) 20 % = $\frac{\ldots\ldots}{\ldots\ldots}$

73) 99 % = ...

74) 124 % = ...

75) 19 % = ...

76) 231 % = ...

77) 9 % of ……. = 72

78) …… % of 500 = 250

79) 90 % of ……. = 99

80) …… is a pair of numbers used to locate any point on a coordinate plane.

81) …… Is the first number in an ordered pair which tells how far to move left or right from the origin.

82) …… Is the second number in an ordered pair which tells how far to move up or down from the origin.

83) The coordinate of the origin is ……..

84) If the point lies in X axis then it's coordinate is (x , …….)

85) If the point lies in y axis then it's coordinate is (……. , y)

86) The point of intersection of X axis and Y axis is ……..

87) The signs of the first quadrant is (….. , …..)

88) The signs of the second quadrant is (….. , …..)

87) The signs of the third quadrant is (….. , …..)

87) The signs of the fourth quadrant is (….. , …..)

88) The image of the point (7 , 5) by reflection on X axis is ……

89) The image of the point (6 , 0) by reflection on X axis is ……

90) The image of the point (3 , 4) by reflection on Y axis is ……

91) The image of the point (7 , 0) by reflection on Y axis is ……

92) The image of the point (0 , 0) by reflection on X axis is ……

93) The image of the point (0 , 0) by reflection on Y axis is ……

94) The image of the point (2 , 3) by reflection on X axis and Y axis is ……

95) The distance between two point on a line = …… - ……

96) A (2 , 6) and B (8 , 6) Then the distance between A and B = ……. units.

97) A (2 , 6) and B (-5 , 6) Then the distance between A and B = ……. units.

98) A (2.5 , 6) and B (-3.4 , 6) Then the distance between A and B = ……. units.

99) A (8 , 10) and B (8 , 6) Then the distance between A and B = ……. units.

100) A (8 , -4) and B (8 , 6) Then the distance between A and B = ……. units.

101) A (8 , 5) and B (8 , -3.6) Then the distance between A and B = ……. units.

102) A (5 , 9) and B (5 , 9) Then the distance between A and B = ……. units.

103) // represents that the two lines are ……..

104) ⊥ represents that the two lines are ……

105) The quadrilateral is a …….. if it's all sides are congruent and parallel and all angles are right angles.

106) The quadrilateral is a …….. if every to opposites sides are congruent and parallel and all angles are right angles.

107) ……. Is a polygon which consist 3 sides.

108) …….. Is a quadrilateral which has only one pair of parallel sides.

109) …….. is a quadrilateral which every two opposite sides are parallel and equal in length.

110) …….. of the parallelogram is the perpendicular length from a base to it's opposite base.

111) The area of rectangle = ……..

112) The area of square = ……..

113) …….. is a parallelogram with equal sides.

114) The area of parallelogram = ……..

115) If the base length of the parallelogram is 5 cm and its corresponding height is 6 cm then its area = …….. cm^2

116) If the base length of the parallelogram is 12 cm and its corresponding height is 11 cm then its area = …….. cm^2

117) If the base length of the parallelogram is 15 cm and its corresponding height is 5 cm then its area = …….. cm^2

118) If the base lengths of the parallelogram is 5 cm and 7 cm and its greater height is 7 cm then its area = …….. cm^2

119) If the base lengths of the parallelogram is 8 cm and 11 cm and its greater height is 9 cm then its area = ... cm^2

120) If the base lengths of the parallelogram is 10 cm and 8 cm and its smaller height is 5 cm then its area = ... cm^2

121) If the base lengths of the parallelogram is 5 cm and 7 cm and its smaller height is 5 cm then its greater height = ... cm

122) A parallelogram with area 48 cm^2 and its base : height = 3 : 1, then its base = ... cm

123) A parallelogram with area 64 cm^2 and its base : height = 4 : 1, then its height = ... cm

124) Area of rhombus = ...

125) A rhombus with side 3 cm and its height 5 cm, Then its area = ...cm^2

126) A rhombus with side 9 cm and its height 7 cm, Then its area = ... cm^2

127) A rhombus with perimeter 32 cm and its height 5 cm, Then its

area = ... cm^2

128) A rhombus with area 50 cm^2 and its height 5 cm, Then its side

length = ... cm

129) A rhombus with area 49 cm^2 and its side length 7 cm, Then its

height = ... cm

130) The area of triangle = ...

131) If the base length of the triangle is 7 cm and its corresponding height is 8 cm then its area = ... cm^2

132) If the base length of the triangle is 6 cm and its corresponding height is 7 cm then its area = ... cm^2

133) A triangle with area 84 cm^2 and its base = 12 cm then its height = ...cm

134) The area of right angled triangle which the lengths of the two sides of the right angle are 5 cm and 4 cm is …….

135) …….. is a quadrilateral which has only one pair of parallel sides.

136) Surface area of cube = ……..

137) Surface area of cuboid = ……

138) Volume of the cuboid = ……. Or …….

139) The ratio of the new volume to the original volume when you doubled one dimension is …….

140) The ratio of the new volume to the original volume when you doubled two dimension is …….

141) The ratio of the new volume to the original volume when you doubled three dimension is …….

142) If one dimension of the cuboid is tripled, Then the ratio of new volume to the original volume is …….

143) If one dimension of the cuboid is divided into half, Then the ratio of new volume to the original volume is …….

Question (3) Essay problems.

1) A box of tennis balls weighs $\frac{5}{9}$ kg, If each ball weighs $\frac{15}{81}$ kg, How many balls are there is the box.

……

……

2) A piece of land with area 5 km^2 was divided among farmers, If each farmer took $\frac{5}{8}$ km^2, Find how many farmer are there.

……

……

3) The square shaped paper perimeter is $\frac{6}{11}$ m, Find the side length.

……

……

4) Mariam wants to make a cupcake for her birthday party and every cup cake requires $\frac{3}{7}$ kg of flour, and she have $\frac{36}{7}$ kg of flour, Find how many cupcakes can she make.

……

……

5) Find the product of each of the following using standard algorithm.

A) 276 × 895.

B) 475 × 124.

C) 986 × 145.

D) 763 × 862.

E) 8.46 × 5.4.

F) 9.04 × 3.3.

G) 4.65 × 2.2.

H) 76.1 × 0.94.

6) Find the quotient of each of the following using division algorithm.

A) 14,208 ÷ 16.

B) 34,965 ÷ 35.

C) 17,298 ÷ 31.

D) 49,950 ÷ 50.

E) 147.525 ÷ 1.5.

F) 119.736 ÷ 1.2.

G) 4.2272 ÷ 0.08.

H) 3 ÷ 8.

I) 10.9186 ÷ 0.14.

J) 36.7128 ÷ 0.24.

7) Sama walk 5.6 km for 4 days each and 3.8 km for 6 days each, find the total distance she walked.

……

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8) Maged had 143 L.E and he wants to buy 6 pens which coast 12 L.E each and 8 pencils for 8 L.E each, find how much money will remained with him.

……

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9) Mr. Mohammed Hamdy covered a distance 210 km with his motorcycle in 2.5 h, Find how many km did Mr. Mohammed covered in 1 hour.

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10) Mai wants to cut out a new dress and she find that the price of 1 m^2 of cloth is 42.45 L.E and she needs 5.5 m^2, Find the total price.

……

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11) Mostafa bought 5 note books for 15.5 each, find the total price.

……

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12) Mr. Omar Saleh wants to buy a gateau for his party of end of his military service and he have 525 L.E and every gateau piece price is 17.5 L.E, Find how many piece can Mr. Omar buy.

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13) Goda bought 3 packets of biscuit for 24, Find the price for a 40 packets.

……

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14) Marwa mom made 30 cupcakes and she put them in the oven and asked Marwa to switch the oven off after 30 m and take the cupcakes out of it, But Marwa with the bad luck drooped 6 cupcakes in the floor, Find the ratio between what the cupcakes which are ready for eating now and what are drooped in the floor.

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15) Soha made 5 L of juice and she wants to divide it into $\frac{1}{3}$ L bottles, Find how many bottle will she need.

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16) Moaz and Hassan in a race if Moaz ran $2\frac{2}{5}$ km in 15 minutes and Hassan ran $3\frac{12}{20}$ km in 20 minutes, Who ran more distance in 1 minute.

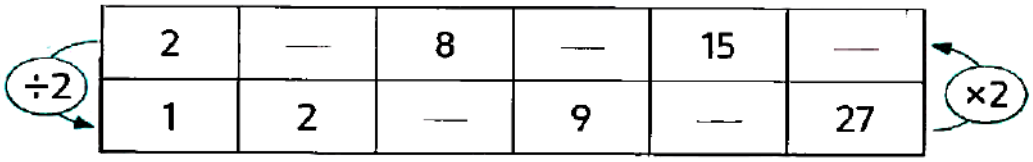
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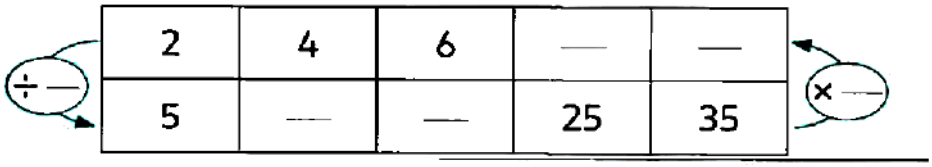
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17) Complete each of the following tables to get equivalent ratios.

a.



b.



18) Complete the table for a ratio of 3 dogs and 5 cats.

Total	Dog	Cat
8	3	5
16	(A)	(B)
(C)	12	(D)

A)

C)

B)

D)

15) In our school if the ration between boys and girls is 6 : 7, If the number of boys is 174, Find the number of girls.

.....

.....

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16) **The following table shows the weight of oranges in kg and its price in L.E.**

a. Represent the table by double number line.

b. Use double number line to find the price of 3 kg

c. Use double number line to find the weight of orange that cost 90 L.E.

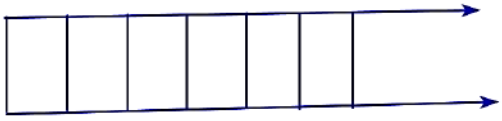
The weight of oranges in kg	The price in L.E.
1	15
2	30
4	60
5	75

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17) Cheetah is the fastest animal in the world with speed 130 km per hour, Find the rate of speed.

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18) Dina wants to start studying before her final exams, she take 3 days to study every subject, Draw a tape diagram and write a numbers on it to represent the ratio of the number of the subject to the time it takes to study.

A) How long does it take to study her 7 subjects?

B) How many subject will she study in 15 days

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19) Gamal bought a pizza for him and his 5 friends which are 160 each, Find the total amount will he pay.

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20) A market offers 3 sizes of oil, capacity and price of each size are shown in the following table.

Size	Capacity (L)	Price (L.E.)
Small	5	300
Medium	7	406
Large	9	495

a. What is the price in L.E. per liter for each size ?

- (Small) _____ L.E. per liter.
- (Medium) _____ L.E. per liter.
- (Large) _____ L.E. per liter.

b. What is the capacity in liter per L.E. for each size ?

- (Small) _____ liter per L.E.
- (Medium) _____ liter per L.E.
- (Large) _____ liter per L.E.

c. Which is the best buy ? _____

21) If you need 3.5 orange to make 2 cups of juice, Find how many orange is needed to make 12 cups.

.....

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22) Mr. Abdelrahman Essam's car consumes 16 L of gasoline for each 480 km, Find the rate of each km and how far Mr. Abdelrahman go with 6.5 L.

.....

.....

.....

23) 12 cups of flour is needed to make 6 cakes, Find how many cup of flour you need to make 30 cake.

.....

.....

.....

24) Cairo tower is approximately 187 m, about how many km Cairo tower.

……

25) The great pyramid is approximately 14600 cm, about how many m the great pyramid.

……

26) Mr. Omar Saleh's car is approximately 1652 kg, about how many ton Mr. Omar car.

……

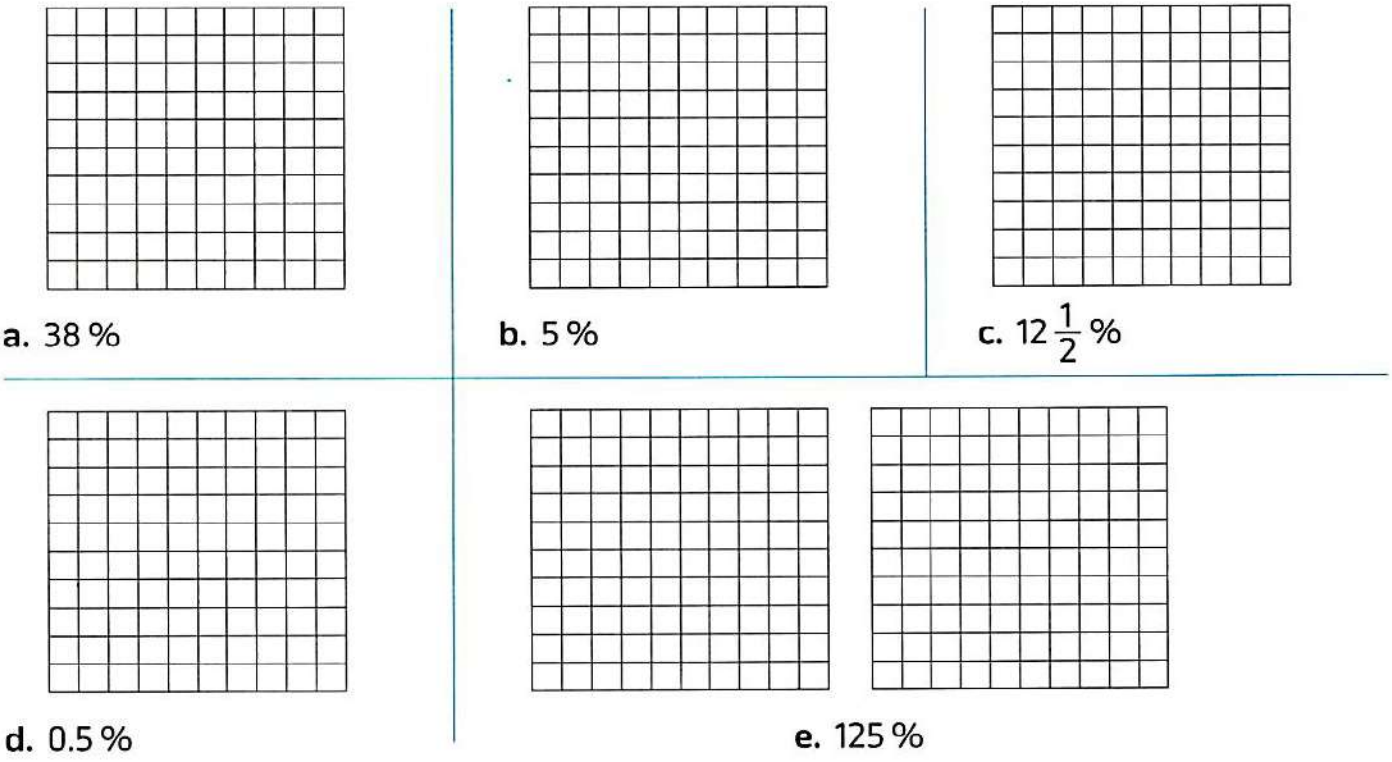
27) Winter season in Egypt is approximately 89 days, about how many weeks winter season.

……

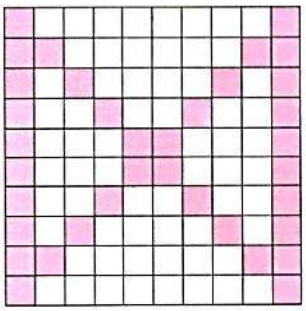
28) A rope with length 12500 mm, Find how many m is this rope.

……

29) Represent each of the following.



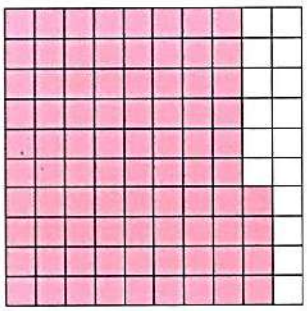
30) Complete.

a. 

percent : _____

fraction : _____

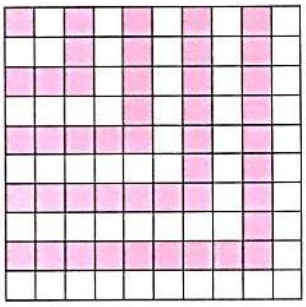
decimal : _____

b. 

percent : _____

fraction : _____

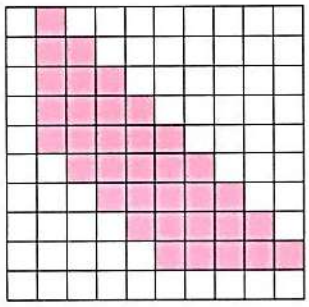
decimal : _____

c. 

percent : _____

fraction : _____

decimal : _____

d. 

percent : _____

fraction : _____

decimal : _____

31) A runner wins 17 times from 20 races, Find the percent of what he wins and what he loses.

.....

.....

.....

32) Hany's homework is about 40 page, If he solved 26 page find the percent of what he solved and what he didn't solve.

.....

.....

.....

33) The weekly salary of a worker is 1200 L.E, If he spend 900 L.E find the percent of what he saves.

.....

.....

.....

34) Noha bought 20 cupcakes for her birthday party which are 11 with chocolate and 9 with vanilla, Find the percent of each type of it.

……
……
……

35) Mazen went to buy a football boots which coast 1600 L.E and he find a store which make a discount and he bought it for just 1200 L.E, Find the percent of the discount.

……
……
……

36) Salma bought a mobile phone for 12000 L.E, She paid 40 % find what she paid.

……
……
……

37) A group of boys contains 25 boy, 16 of them choose to play football and the rest choose to play basketball, Find the percent to who chooses football and basketball.

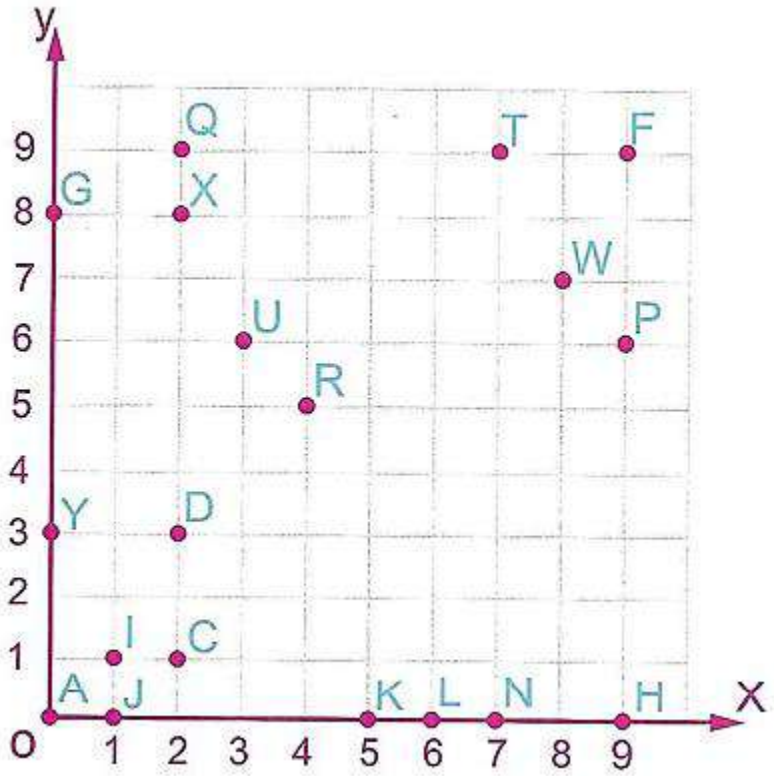
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38) Mohammed bought a motorcycle with discount 15 % and it's price was 50000 L.E, Find what Mohammed saves when he bought it in a discount.

……
……
……

39) Find each of the following ordered pair.

A)



A **R**

Y **K**

G **L**

J **N**

I **T**

C **W**

D **H**

X **P**

Q **F**

U

B) Find the vertical distance between

1- G and Y

.....

2- Q and D

.....

3- F and P

.....

C) Find the horizontal distance between

1_ F and Q

.....

2- H and J

.....

3- P and U

.....

40) Graph each of the following ordered pair.

A (3 , 5) **B (2 , 7)**

C (0 , 8) **D (8 , 0)**

E (4 , 1) **F (6 , 2)**

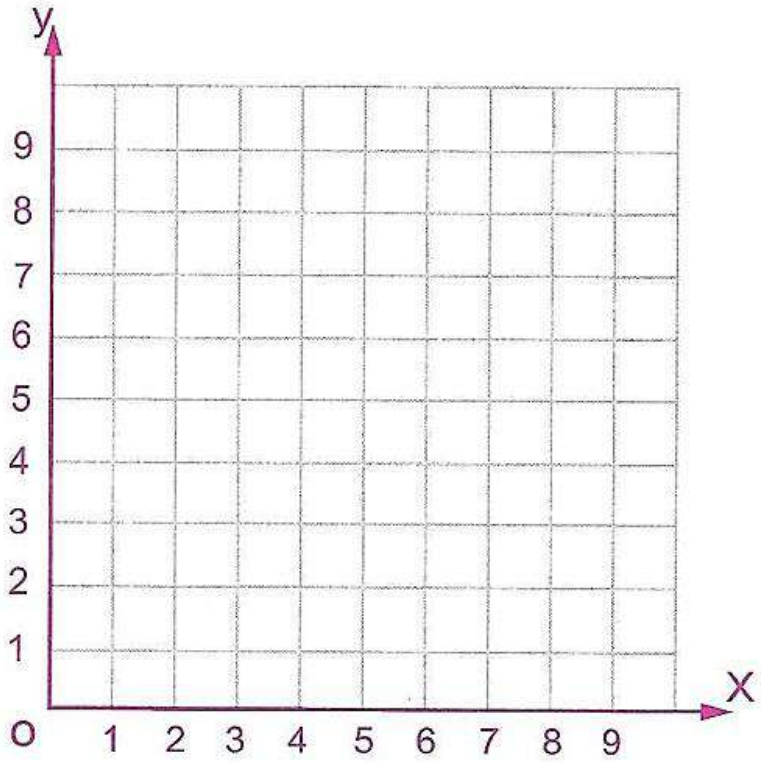
G (1 , 9) **H (2 , 3)**

I (3 , 0) **J (0 , 7)**

K (3 , 9) **L (0 , 0)**

M (9 , 5) **N (5 , 6)**

O (3 , 3) **Z (9 , 9)**



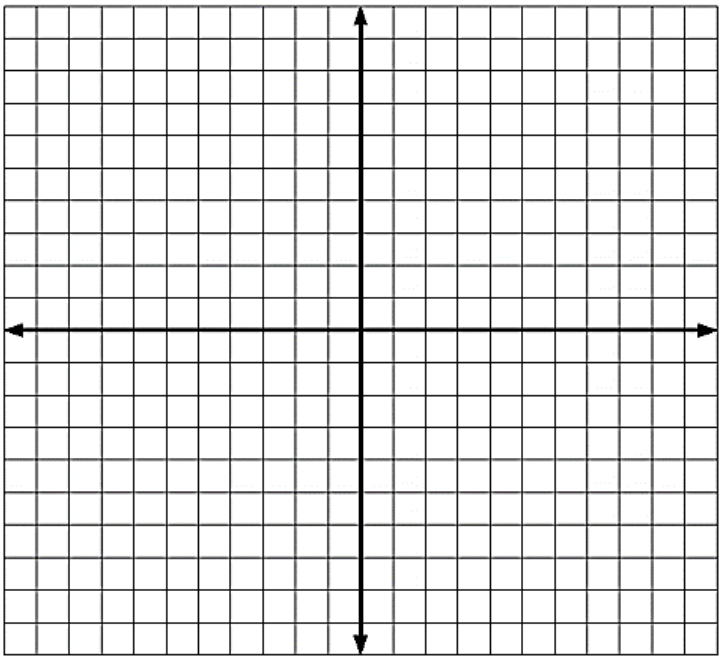
41) Graph each of the following ordered pair and Find the image the first column by reflection on X axis and the second column by reflection on Y axis.

A (2.5 , -1) **B (-3 , 4.5)**

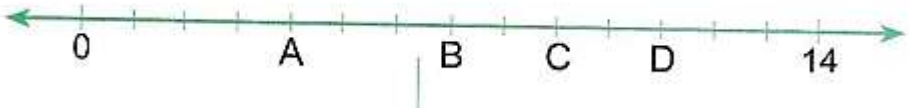
C (0 , -6.5) **D (9.5 , 0)**

E (-7.5 , 7.5) **F (1.5 , -3)**

G (10 , -9) **H (0 , 0.5)**



42) Find:



A) Value of A, B, C and D.

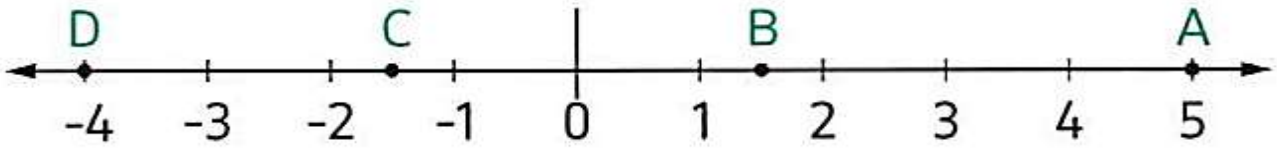
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B) Find The distance between A and D.

.....

43)

Find:



A) Value of A, B, C and D.

.....

B) Find The distance between A and D.

.....

C) Find The distance between B and C.

.....

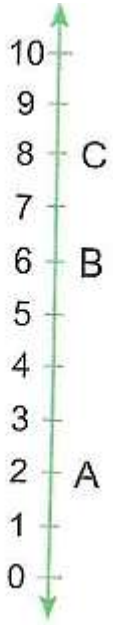
43) Find:

A) Value of A, B and C.

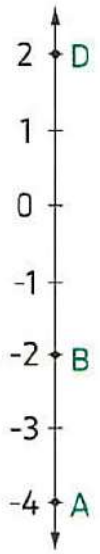
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B) Find The distance between A and C.

.....



44) Find:



A) Value of A, B and D.

……

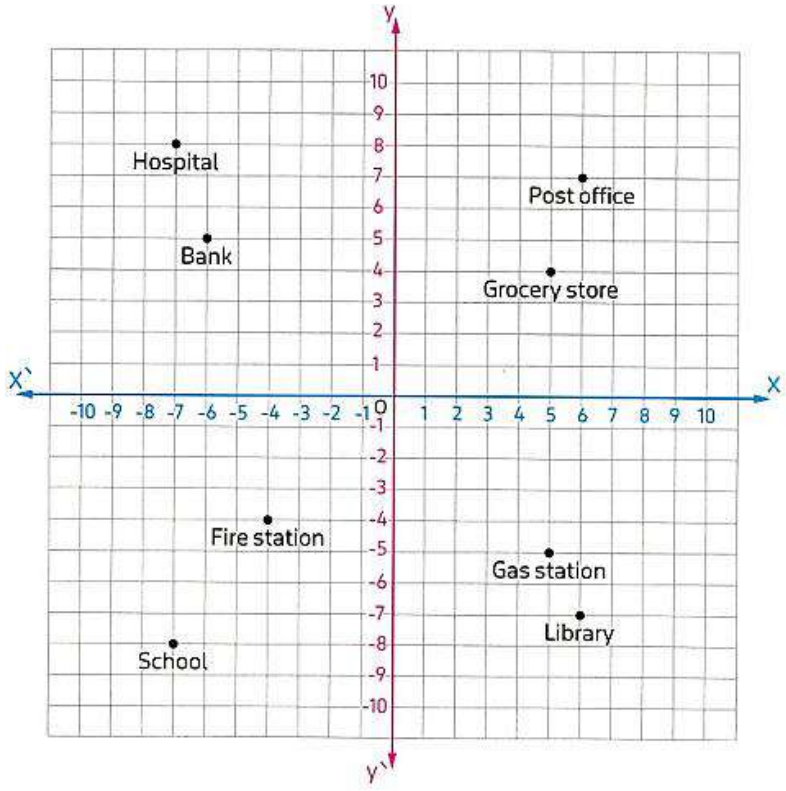
B) Find The distance between A and D.

……

C) Find The distance between A and B

……

45) Find.



A) Places in the first quadrant

……

B) Places in the second quadrant

……

C) Places in the third quadrant

……

D) Places in the fourth quadrant

……

E) Find The distance between.

1- Hospital and School.

……

2- Gas station and Grocery store.

……

3- Library and post office.

……

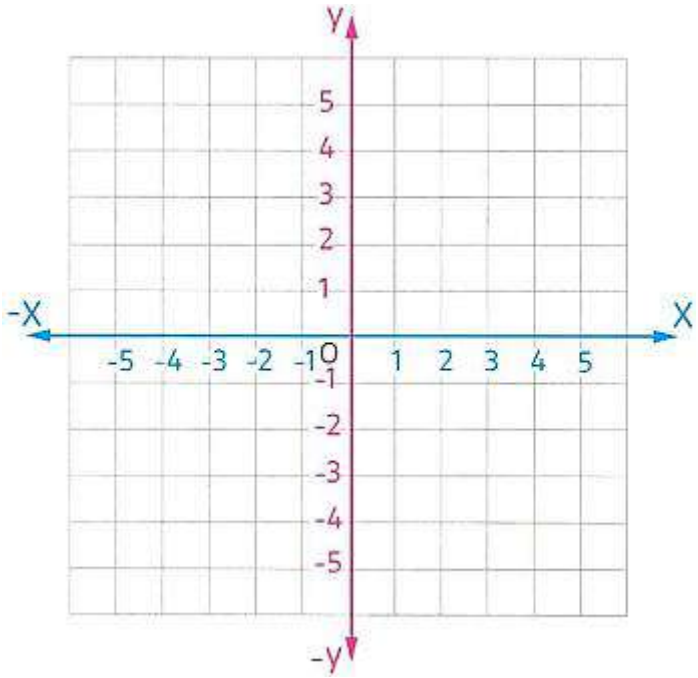
F) Find the reflection of Bank and fire station on X axis.

G) Find the reflection of School and hospital on Y axis.

46) Draw each of the following points and find the name of the shape.

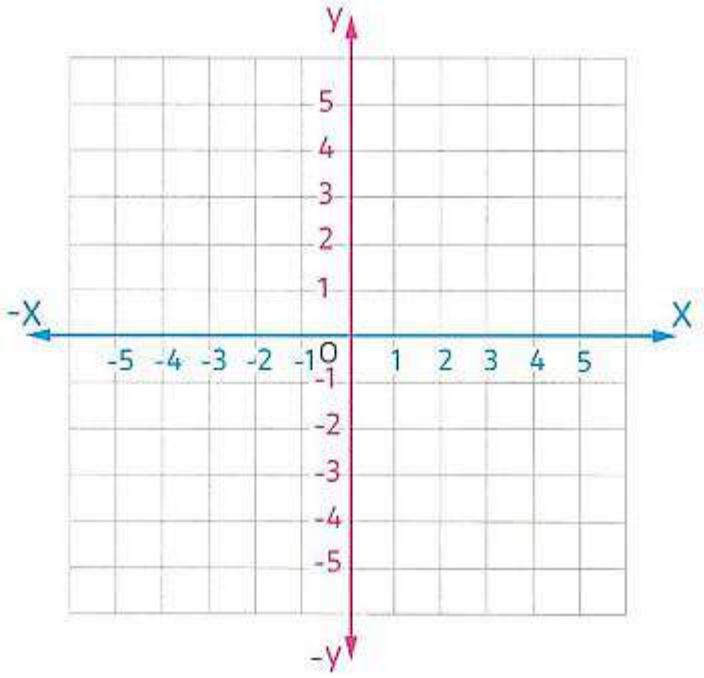
A) A (-2 , 1), B (4 , 1), C (4 , -5) and

D (-2 , -5)

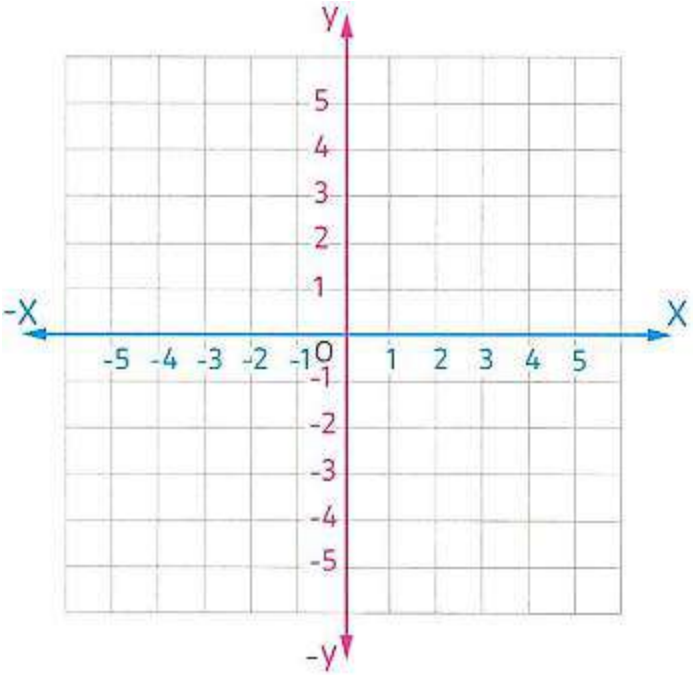


B) A (-2 , -1), B (4 , -1), C (4 , 3) and

D (-2 , 3)

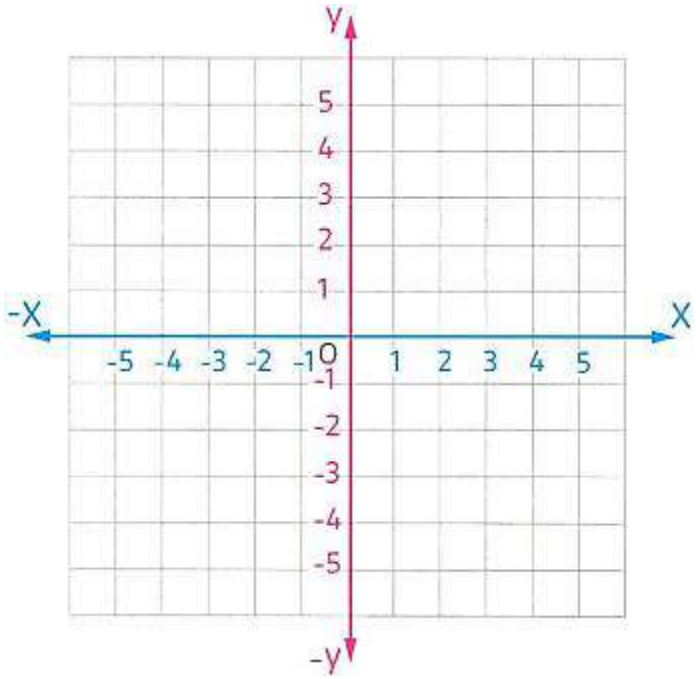


C) A (1 , 2), B (4 , 2), C (1 , 6)



D) A (-4 , -2), B (3 , -2), C (2 , 2) and

D (-1 , 2)



47) Find which shape will be the greater in area:

A) A square with side length 12 cm or a rhombus with side length 8 cm and its height 9 cm.

……

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……

B) A parallelogram base 11 cm and its height 6 cm or a rhombus with side length 13 cm and its height 5 cm.

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……

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C) A square with side length 14 cm or a rhombus with side lengths 10 cm and its height 15 cm.

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D) A rhombus with side lengths 12 cm and height 8 cm or a parallelogram with base lengths 11 cm and its height 9 cm.

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E) A triangle with base lengths 16 cm and height 8 cm or a parallelogram with base lengths 4 cm and its height 16 cm.

……

……

……

F) A triangle with base lengths 12 cm and height 5 cm or a parallelogram with base lengths 10 cm and its height 3.1 cm.

……

……

……

48) Find the area of each of the following.

A) A square with side length 15 cm.

……

……

B) A triangle with base length 8.5 cm and height 5 cm.

.....

.....

C) A rhombus with side length 10.5 m and height 10 m.

.....

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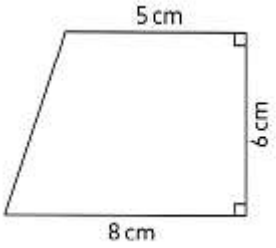
D) A parallelogram with base length 13 cm and height 6 cm.

.....

.....

49) Find the area of each of the following.

A)

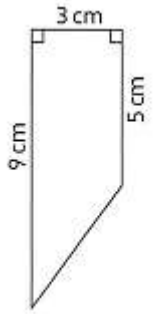


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B)

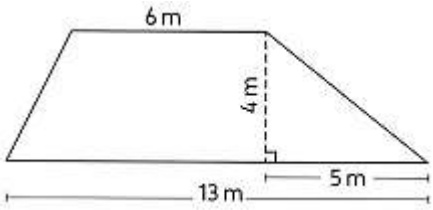


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C)

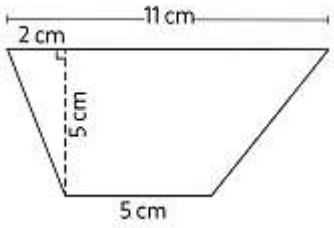


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D)



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50) Find the surface area of

A) A cuboid with L = 6 cm, W = 5 cm and H = 3 cm.

……

……

B) A cube with s = 7 cm.

……

……

C) A cuboid with L = 10 cm, W = 5 cm and H = 5 cm.

……

……

D) A cube with s = 6 cm.

……

……

E) A cuboid with L = 8 cm, W = 3 cm and H = 4 cm.

……

……

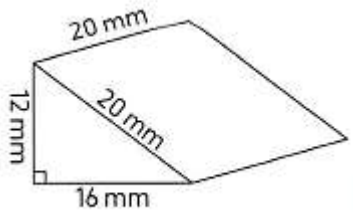
F) A cube with s = 10 cm.

……

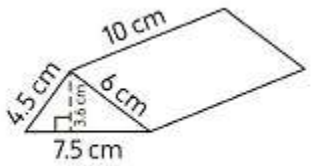
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51) Find the area of each of the following.

A)



B)



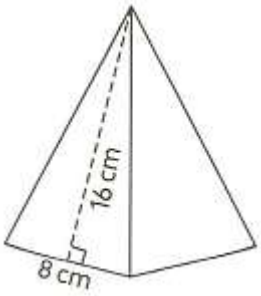
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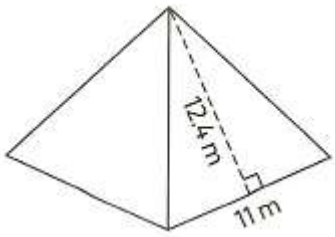
……

……

C)



D)



……. ……

……. ……

……. ……

52) Find the volume of each of the following.

A) A cuboid with length 6 cm, width 5 cm and height 3 cm.

……

……

B) A cuboid with length 8 cm, width 4 cm and height 7 cm.

……

……

C) A cuboid with length 10 m, width 10 m and height 4 m.

……

……

D) A cuboid with base area 20 cm^2 and height 5 cm.

……

……

53) Find the new volume of each of the following.

A) The volume of the cuboid is 48 cm^3, If the three dimensions are doubled, Then what is the new volume.

……

……

……

B) The volume of the cuboid is 32 cm^3, If one dimensions is doubled, Then what is the new volume.

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C) The volume of the cuboid is 50 cm^3, If one dimensions is divided into half, Then what is the new volume.

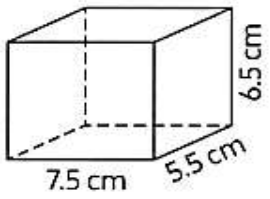
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54) Estimate each volume and find the actual one.

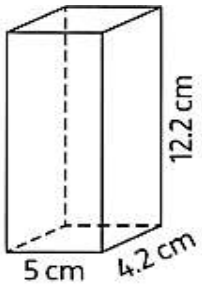
a.



Estimation = ——— cm^3

Actual volume = ——— cm^3

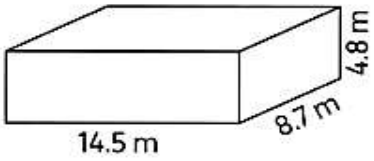
b.



Estimation = ——— cm^3

Actual volume = ——— cm^3

c.



Estimation = ——— m^3

Actual volume = ——— m^3

55) Find the missing in each of the following.

A) A cuboid with volume 240 cm^3, length 6 cm and width 4cm.

.....

.....

B) A cuboid with volume 150 cm^3, height 5 cm and width 5cm.

.....

.....

C) A cuboid with volume 64 cm^3, length 4 cm and height 4cm.

……

……

D) A cuboid with volume 400 cm^3 and base area 50 cm^2.

……

……

E) A cuboid with volume 36 cm^3 and base area 12 cm^2.

……

……

F) A cuboid with volume 250 cm^3 and height 10 cm.

……

……

56) 15750 cm^3 of water is poured into a vessel in the shape of cuboid with internal dimensions 35 cm, 30 cm and 20 cm, Find the height of the water in the vessel and the volume of the water needed to be added in the vessel to be filled completely.

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57) A swimming pool in the shape of cuboid with base area 2500 m^2 and height 7 m, Find it's volume.

……

……

58) A container of volume 45000 cm^3 is full of oil, oil was poured into a cuboid shaped container with square base of side length 30 cm, Find the height of oil in the new container.

……

……

حمل الآن
مجانا وحصريا

المراجعة رقم (4)

الترم الثانى





Q1: CHOOSE THE CORRECT ANSWER

1 The distance between the point (0, -4) and the origin point is units

(a) 0 (b) –4 (c) 4 (d) 8

2 The number of heights of any triangle is

(a) 3 (b) 2 (c) 1 (d) 0

3 30 L.E for 5 kg, then the cost of 30 kg is L.E

(a) 5 (b) 30 (c) 90 (d) 180

4 ÷ 2.15 = 1,200 ÷ 215

(a) 120 (b) 12 (c) 1.2 (d) 1200

5 2.3 pounds = ... piasters

(a) 2300 (b) 230 (c) 23 (d) 2.3

6 $\frac{3}{8}$ × = 1

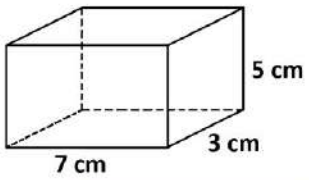
(a) $\frac{3}{8}$ (b) 1 (c) $\frac{8}{5}$ (d) $2\frac{2}{3}$

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7 The number of heights of a right triangle is

(a) 0 (b) 1 (c) 2 (d) 3

8 The surface area of the following cuboid is cm^2.



(a) 105 (b) 70
(c) 142 (d) 35

9 Point C (–5 , –3) lies on the quadrant.

(a) first (b) third
(c) second (d) fourth

FOLLOW US

10 45 % of a litre = ... mL

(a) 450 (b) 4500 (c) 45 (d) 0.45

11 If a : b and c : d are equivalent ratios then

(a) $a \times b = c \times d$ (b) $a \times c = b \times d$ (c) $a \times d = b \times c$ (d) $a + d = b + c$

12 If $25 \times 33 = 825$, then 0.25×3.3 = ...

(a) 82.5 (b) 8.25 (c) 0.852 (d) 0.825

13 A cubic meter is a unit of

(a) capacity (b) volume (c) mass (d) length

14 If the y-coordinate of a point is zero, then th is point lies

(a) in 1st quadrant (b) in 3rd quadrant (c) on x-axis (d) on y-axis

15 The reciprocal of the number is $4\frac{2}{5}$

(a) $\frac{22}{5}$ (b) $4\frac{5}{2}$ (c) $\frac{5}{22}$ (d) $\frac{2}{11}$

16 $5 \times$ = 1

(a) $\frac{25}{5}$ (b) 1 (c) $\frac{1}{5}$ (d) 0

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17 Mazen studies 21 pages in 6 hours, then the unit rate of his study is pages/hour.

(a) 5 (b) 4 (c) 3.5 (d) 5.5

18 4.8 L $\times \frac{\text{.....}}{\text{.....}}$ = 4800 mL

(a) $\frac{100 \text{ mL}}{1 \text{ L}}$ (b) $\frac{1{,}000 \text{ mL}}{1 \text{ L}}$

(c) $\frac{1{,}000 \text{ L}}{1 \text{ mL}}$ (d) $\frac{1 \text{L}}{1{,}000 \text{ mL}}$

19 If 3 : x – 1 = 4 : 8 , then x = ...

(a) 5 (b) 7 (c) 8 (d) 9

20 5% of LE = 120 LE

(a) 240 (b) 2400 (c) 1200 (d) 120

21 225% = ...

(a) $1\frac{25}{100}$ (b) $2\frac{25}{200}$ (c) $2\frac{1}{4}$ (d) 0.225

22 The surface area of the square pyramid in which the perimeter of its base is 32 cm and the height of each triangular face is 6 cm equals cm^2.

(a) 192 (b) 96 (c) 24 (d) 160

23 The greater the value of the x-coordinate, ... the point is to the y-axis

(a) farther (b) closer (c) equal (d) otherwise

24 A a water tap is leaking 240 litres of water in one hour, then the rate of leaking = ... L/min.

(a) 240 (b) 4 (c) 40 (d) 6

25 The point lies on the x-axis.

(a) (0 , 3) (b) (–1, –4) (c) (–5 , 0) (d) (0 , –5)

26 A cube with a surface area of 216 cm^2, Then the edge length is cm.

(a) 6 (b) 36 (c) 96 (d) 60

27 Merolla spends 120 LE in 4 days, then the rate of what she spends is LE/day.

(a) 300 (b) 30

(c) 25 (d) 250

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28 A parallelogram with area 48 cm^2 and base length 6 cm , then it's corresponding height is cm

(a) 9 (b) 8 (c) 7 (d) 8.5

29 If the base area of a cuboid is 180 cm^2, and its height is 9 cm. Then its volume is cm^3.

(a) 20 (b) 180 (c) 1,620 (d) 810

30 5% of = 5

(a) 25 (b) 50 (c) 100 (d) 125

31 The point lies on the y-axis.

(a) (0 , 3) (b) (−1, −4) (c) (−5 , 0) (d) (5 , −5)

32 A cube with surface area of 150 cm^2, Then the edge length is cm.

(a) 25 (b) 900 (c) 5 (d) 50

33 If 4 : x = 12 : 18, then x = ...

(a) 6 (b) 9 (c) 15 (d) 18

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34 The surface area of a cuboid whose dimension are 6 cm, 4 cm, and 1 cm = ...

(a) 24 cm^2. (b) 68 cm^2. (c) 30 cm^2. (d) 10 cm^2.

35 If the percentage of success in a school is 76 %, so the percentage of failures is %

(a) 24 (b) 44 (c) 67 (d) 90

36 A box without lid in form of cube, its side length 2 m, then its surface area is m^2.

(a) 4 (b) 24 (c) 20 (d) 12

37 Which of the following is a unit rate ?

(a) 40 LE per 2 kg
(b) 450 km per 3 hours
(c) 4 spoons of sugar per 2 cups
(d) 2 liters per bottle

FOLLOW US

38 If the three dimensions of a cuboid are doubled, then the ratio between the new volume to the original volume of the cuboid is

(a) 1 : 2 (b) 1 : 4 (c) 1 : 8 (d) 8 : 1

39 360 sec = ... hour

(a) 60 (b) 10 (c) 3600 (d) 0.1

40 If the original price of a dress is 1,700 LE, then its sale price after apply a discount 20% is

(a) 1,360 (b) 340 (c) 170 (d) 17

41 Any number multiplied by its reciprocal equals

(a) 1 (b) double number (c) same number (d) 0

42 $\frac{3}{6}$ = ... %

(a) 30 (b) 25 (c) 50 (d) 60

43 The area of the triangle = ...

(a) $\frac{1}{2}$ bb (b) $\frac{b}{2} \times h$ (c) $\frac{1}{2}$ hh (d) $b \times h$

44 $\frac{6}{7}$ is equivalent to

(a) $\frac{7}{6}$ (b) $\frac{18}{14}$ (c) $\frac{42}{49}$ (d) $\frac{35}{30}$

45 The ratio between the perimeter of a square to its side length is

(a) 1 : 4 (b) 4 : 1 (c) 3 : 1 (d) 1 : 3

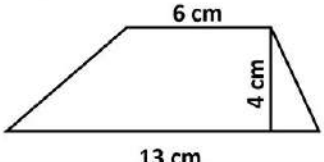
46 What is the distance between the two points (4, -7) and (-5, -7)?

(a) 1 unit (b) 3 units (c) 7 units (d) 9 units

47 The area of the opposite figure is square units.

(a) 34 (b) 38

(c) 52 (d) 17



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48 The second term in the ratio $\frac{7}{12}$ is

(a) 0 (b) 7 (c) 1 (d) 12

49 1 – 75% = ...

(a) 74% (b) 0.25 (c) 25 (d) 2.5

50 The area of the rhombus of side length 5 cm and height 8 cm is cm^2

(a) 40 (b) 20 (c) 80 (d) 400

51 To find the simplest form of the ratio 8 : 16, we divide the two terms by

(a) 16 (b) 8 (c) 6 (d) 1

52 1 day: 24 hours is considered a/an

(a) unit ratio (b) equivalent ratio (c) conversion factor (d) otherwise

53 Which pair shows equivalent ratios ?

(a) $\frac{3}{4}$, 16 to 20 (b) $\frac{25}{50}$, 1 : 2 (c) $\frac{4}{8}$, $\frac{3}{9}$ (d) 1 : 3 , 3 : 6

54 If the x-coordinate of a point is zero, then th is point lies

(a) in 1st quadrant (b) in 3rd quadrant (c) on x-axis (d) on y-axis

55 The area of the opposite parallelogram = ... cm^2



(a) 24 (b) 54 (c) 36 (d) 18

56 Farida ate 45 % of a pizza, so she ate half the pizza.

(a) exactly (b) more than (c) less than (d) otherwise

57 40% of a number equals.....

(a) its fourth (b) its four tenths
(c) its four fourths (d) its four sevenths

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58 The ratio of the area of one face of a cube to its surface area is

(a) 1 : 8 (b) 1 : 4 (c) 1 : 6 (d) 2 : 3

59 0.55 ÷ 0.011 = ... ÷ 11

(a) 55 (b) 550 (c) 5,500 (d) 5.5

60 Which point of the following can be vertex of right angled-triangle If another vertices are (0 , 3) and (5 , 0)?

(a) (0 , 3) (b) (0 , 5) (c) (3 , 5) (d) (0 , 0)

61 If 3 : 5 = 12 : 4 x, then x = ...

(a) 20 (b) 24 (c) 5 (d) 10

62 The image of the point (0 , 7) by reflection on the y-axis is

(a) (0 , –7) (b) (0 , 0) (c) (7 , 0) (d) itself

63 If 127.92 ÷ 4.1 = 31.2, then 12.792 ÷ 4.1 = ...

(a) 312 (b) 3.12 (c) 31.2 (d) 0.312

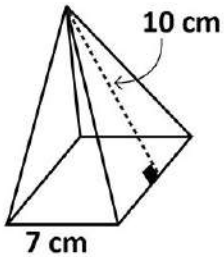
64 are two equivalent ratios

(a) $\frac{6}{7}, \frac{18}{14}$ (b) $\frac{2}{3}, \frac{8}{16}$ (c) $\frac{4}{5}, \frac{60}{75}$ (d) $\frac{1}{2}, \frac{2}{5}$

65 The ratio between the side of an equilateral triangle to its perimeter is :

(a) 1 : 4 (b) 4 : 1 (c) 3 : 1 (d) 1 : 3

66 The surface area of the opposite square pyramid is cm^2.



(a) 70 (b) 140
(c) 189 (d) 343

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67 Sandy reads 140 pages of stories weekly, then she reads pages daily

(a) 20 (b) 7 (c) 14 (d) 70

68 5.2×0.3 = ...

(a) 0.156 (b) 1.56 (c) 15.6 (d) 156

69 49 % = ...

(a) $\frac{4.9}{100}$ (b) 49 (c) 0.49 (d) 4900

70 20% of a number = ... % of half the same number

(a) 10 (b) 20 (c) 30 (d) 40

71 If the point (x , 6) lies in the 1st quadrant, then the value of x is

(a) –7 (b) –1 (c) –2 (d) 5

72 The image of the point (4 , –3) by reflection on x-axis is

(a) (4 , –3) (b) (–4 , –3) (c) (4 , 3) (d) (–4 , 3)

73 is a unit of the volume measurement.

(a) cm (b) cm^3 (c) m^2 (d) m

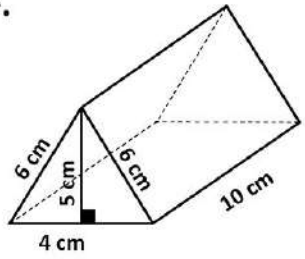
74 Murad spends 24 pounds in 6 days, then he will spend LE in 10 days.

(a) 240 (b) 60 (c) 40 (d) 30

75 The surface area of the opposite triangular prism is cm^2.

(a) 180 (b) 120

(c) 240 (d) 150



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Q1: CHOOSE THE CORRECT ANSWER

1 The distance between the point (0, -4) and the origin point is units

(a) 0 (b) –4 (c) 4 (d) 8

2 The number of heights of any triangle is

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(a) 5 (b) 30 (c) 90 (d) 180

4 ÷ 2.15 = 1,200 ÷ 215

(a) 120 (b) 12 (c) 1.2 (d) 1200

5 2.3 pounds = ... piasters

(a) 2300 (b) 230 (c) 23 (d) 2.3

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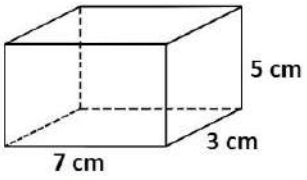
(a) $\frac{3}{8}$ (b) 1 (c) $\frac{8}{5}$ (d) $2\frac{2}{3}$

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(a) first (b) third
(c) second (d) fourth

FOLLOW US

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10 45 % of a litre = ... mL

(a) 450 (b) 4500 (c) 45 (d) 0.45

11 If a : b and c : d are equivalent ratios then

(a) $a \times b = c \times d$ (b) $a \times c = b \times d$ (c) $a \times d = b \times c$ (d) $a + d = b + c$

12 If $25 \times 33 = 825$, then 0.25×3.3 = ...

(a) 82.5 (b) 8.25 (c) 0.852 (d) 0.825

13 A cubic meter is a unit of

(a) capacity (b) volume (c) mass (d) length

14 If the y-coordinate of a point is zero, then th is point lies

(a) in 1st quadrant (b) in 3rd quadrant (c) on x-axis (d) on y-axis

15 The reciprocal of the number is $4\frac{2}{5}$

(a) $\frac{22}{5}$ (b) $4\frac{5}{2}$ (c) $\frac{5}{22}$ (d) $\frac{2}{11}$

16 $5 \times$ = 1

(a) $\frac{25}{5}$ (b) 1 (c) $\frac{1}{5}$ (d) 0

17 Mazen studies 21 pages in 6 hours, then the unit rate of his study is pages/hour.

(a) 5 (b) 4 (c) 3.5 (d) 5.5

18 $4.8\ L \times \frac{.....}{.....} = 4800\ mL$

(a) $\frac{100\ mL}{1\ L}$ (b) $\frac{1{,}000\ mL}{1\ L}$

(c) $\frac{1{,}000\ L}{1\ mL}$ (d) $\frac{1L}{1{,}000\ mL}$

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19 If 3 : x – 1 = 4 : 8 , then x = ...

(a) 5 (b) 7 (c) 8 (d) 9

20 5% of LE = 120 LE

(a) 240 (b) 2400 (c) 1200 (d) 120

21 225% = ...

(a) $1\frac{25}{100}$ (b) $2\frac{25}{200}$ (c) $2\frac{1}{4}$ (d) 0.225

22 The surface area of the square pyramid in which the perimeter of its base is 32 cm and the height of each triangular face is 6 cm equals cm^2.

(a) 192 (b) 96 (c) 24 (d) 160

23 The greater the value of the x-coordinate, ... the point is to the y-axis

(a) farther (b) closer (c) equal (d) otherwise

24 A a water tap is leaking 240 litres of water in one hour, then the rate of leaking = ... L/min.

(a) 240 (b) 4 (c) 40 (d) 6

25 The point lies on the x-axis.

(a) (0 , 3) (b) (–1, –4) (c) (–5 , 0) (d) (0 , –5)

26 A cube with a surface area of 216 cm^2, Then the edge length is cm.

(a) 6 (b) 36 (c) 96 (d) 60

27 Merolla spends 120 LE in 4 days, then the rate of what she spends is LE/day.

(a) 300 (b) 30

(c) 25 (d) 250

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28 A parallelogram with area 48 cm^2 and base length 6 cm , then it's corresponding height is cm

(a) 9 (b) 8 (c) 7 (d) 8.5

29 If the base area of a cuboid is 180 cm^2, and its height is 9 cm. Then its volume is cm^3.

(a) 20 (b) 180 (c) 1,620 (d) 810

30 5% of = 5

(a) 25 (b) 50 (c) 100 (d) 125

31 The point lies on the y-axis.

(a) (0 , 3) (b) (−1, −4) (c) (−5 , 0) (d) (5 , −5)

32 A cube with surface area of 150 cm^2, Then the edge length is cm.

(a) 25 (b) 900 (c) 5 (d) 50

33 If 4 : x = 12 : 18, then x = ...

(a) 6 (b) 9 (c) 15 (d) 18

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34 The surface area of a cuboid whose dimension are 6 cm, 4 cm, and 1 cm = ...

(a) 24 cm^2. (b) 68 cm^2. (c) 30 cm^2. (d) 10 cm^2.

35 If the percentage of success in a school is 76 %, so the percentage of failures is %

(a) 24 (b) 44 (c) 67 (d) 90

36 A box without lid in form of cube, its side length 2 m, then its surface area is m^2.

(a) 4 (b) 24 (c) 20 (d) 12

37 Which of the following is a unit rate ?

(a) 40 LE per 2 kg (b) 450 km per 3 hours
(c) 4 spoons of sugar per 2 cups (d) 2 liters per bottle

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38 If the three dimensions of a cuboid are doubled, then the ratio between the new volume to the original volume of the cuboid is

(a) 1 : 2 (b) 1 : 4 (c) 1 : 8 (d) 8 : 1

39 360 sec = ... hour

(a) 60 (b) 10 (c) 3600 (d) 0.1

40 If the original price of a dress is 1,700 LE, then its sale price after apply a discount 20% is

(a) 1,360 (b) 340 (c) 170 (d) 17

41 Any number multiplied by its reciprocal equals

(a) 1 (b) double number (c) same number (d) 0

42 $\frac{3}{6}$ = ... %

(a) 30 (b) 25 (c) 50 (d) 60

43 The area of the triangle = ...

(a) $\frac{1}{2}$ bb (b) $\frac{b}{2} \times h$ (c) $\frac{1}{2}$ hh (d) b × h

44 $\frac{6}{7}$ is equivalent to

(a) $\frac{7}{6}$ (b) $\frac{18}{14}$ (c) $\frac{42}{49}$ (d) $\frac{35}{30}$

45 The ratio between the perimeter of a square to its side length is

(a) 1 : 4 (b) 4 : 1 (c) 3 : 1 (d) 1 : 3

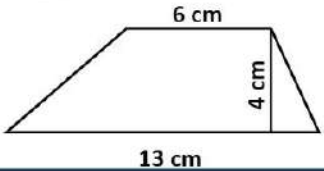
46 What is the distance between the two points (4, -7) and (-5, -7)?

(a) 1 unit (b) 3 units (c) 7 units (d) 9 units

47 The area of the opposite figure is square units.

(a) 34 (b) 38

(c) 52 (d) 17



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48 The second term in the ratio $\frac{7}{12}$ is

(a) 0 (b) 7 (c) 1 (d) 12

49 1 – 75% = ...

(a) 74% (b) 0.25 (c) 25 (d) 2.5

50 The area of the rhombus of side length 5 cm and height 8 cm is cm^2

(a) 40 (b) 20 (c) 80 (d) 400

51 To find the simplest form of the ratio 8 : 16, we divide the two terms by

(a) 16 (b) 8 (c) 6 (d) 1

52 1 day: 24 hours is considered a/an

(a) unit ratio (b) equivalent ratio (c) conversion factor (d) otherwise

53 Which pair shows equivalent ratios ?

(a) $\frac{3}{4}$, 16 to 20 (b) $\frac{25}{50}$, 1 : 2 (c) $\frac{4}{8}$, $\frac{3}{9}$ (d) 1 : 3 , 3 : 6

54 If the x-coordinate of a point is zero, then th is point lies

(a) in 1st quadrant (b) in 3rd quadrant (c) on x-axis (d) on y-axis

55 The area of the opposite parallelogram = ... cm^2



(a) 24 (b) 54 (c) 36 (d) 18

56 Farida ate 45 % of a pizza, so she ate half the pizza.

(a) exactly (b) more than (c) less than (d) otherwise

57 40% of a number equals.....

(a) its fourth (b) its four tenths
(c) its four fourths (d) its four sevenths

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58 The ratio of the area of one face of a cube to its surface area is

(a) 1 : 8 (b) 1 : 4 (c) 1 : 6 (d) 2 : 3

59 0.55 ÷ 0.011 = ... ÷ 11

(a) 55 (b) 550 (c) 5,500 (d) 5.5

60 Which point of the following can be vertex of right angled-triangle If another vertices are (0 , 3) and (5 , 0)?

(a) (0 , 3) (b) (0 , 5) (c) (3 , 5) (d) (0 , 0)

61 If 3 : 5 = 12 : 4 x, then x = ...

(a) 20 (b) 24 (c) 5 (d) 10

62 The image of the point (0 , 7) by reflection on the y-axis is

(a) (0 , –7) (b) (0 , 0) (c) (7 , 0) (d) itself

63 If 127.92 ÷ 4.1 = 31.2, then 12.792 ÷ 4.1 = ...

(a) 312 (b) 3.12 (c) 31.2 (d) 0.312

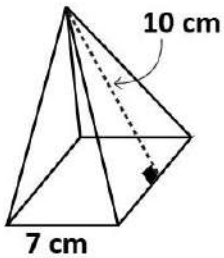
64 are two equivalent ratios

(a) $\frac{6}{7}, \frac{18}{14}$ (b) $\frac{2}{3}, \frac{8}{16}$ (c) $\frac{4}{5}, \frac{60}{75}$ (d) $\frac{1}{2}, \frac{2}{5}$

65 The ratio between the side of an equilateral triangle to its perimeter is :

(a) 1 : 4 (b) 4 : 1 (c) 3 : 1 (d) 1 : 3

66 The surface area of the opposite square pyramid is cm^2.



(a) 70 (b) 140
(c) 189 (d) 343

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67 Sandy reads 140 pages of stories weekly, then she reads pages daily

(a) 20 (b) 7 (c) 14 (d) 70

68 5.2×0.3 = ...

(a) 0.156 (b) 1.56 (c) 15.6 (d) 156

69 49 % = ...

(a) $\frac{4.9}{100}$ (b) 49 (c) 0.49 (d) 4900

70 20% of a number = ... % of half the same number

(a) 10 (b) 20 (c) 30 (d) 40

71 If the point (x , 6) lies in the 1st quadrant, then the value of x is

(a) –7 (b) –1 (c) –2 (d) 5

72 The image of the point (4 , –3) by reflection on x-axis is

(a) (4 , –3) (b) (–4 , –3) (c) (4 , 3) (d) (–4 , 3)

73 is a unit of the volume measurement.

(a) cm (b) cm^3 (c) m^2 (d) m

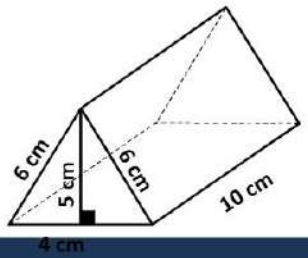
74 Murad spends 24 pounds in 6 days, then he will spend LE in 10 days.

(a) 240 (b) 60 (c) 40 (d) 30

75 The surface area of the opposite triangular prism is cm^2.

(a) 180 (b) 120

(c) 240 (d) 150



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حمل الآن

مجانا وحصريا

المراجعة رقم (5)

الترم الثانى





Choose the correct answer:

1 The ratio 200 to 350 = _____ [in simplest form]

A. $\frac{20}{35}$ B. 4 : 7 C. 7 to 4 D. 5 : 7

2 The point M is located 3 units to the right and 5 units up from the origin point , then the ordered pair that represents the point M is _____

A. (8 , 0) B. (3 , 5) C. (5 , 3) D. (0 , 8)

3 3.6 ÷ 0.12 = _____

A. 30 B. 3 C. 0.3 D. 0.03

4 If the percent of boys in a school is 52 % , then the percent of girls is _____ %

A. 52 B. 48 C. 0.48 D. 0.52

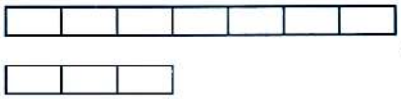
5 From the opposite model , $3 \div \frac{1}{4}$ = _____

1 whole				1 whole				1 whole			
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

A. $\frac{3}{4}$ B. $\frac{4}{3}$ C. $\frac{1}{12}$ D. 12

6 3.5 cm ☐ 25 mm

A. > B. < C. =

7 The tape diagram  represents the ratio _____

A. 3 : 6 B. 1 : 2 C. 7 : 3 D. $\frac{6}{4}$

8 If the ratio between number of oranges and number of bananas is 3 : 4 and the number of bananas is 20 , then the difference between them is _____

A. 1 B. 5 C. 15 D. 20

9 $\frac{1}{6} \div \frac{1}{3}$ ☐ $\frac{1}{3}$

A. < B. = C. >

10 Which of the following is a unit rate ?

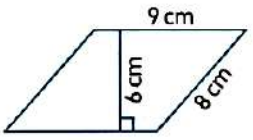
A. 40 L.E. per 2 kg B. 450 km per 3 hours

C. 2 liters per bottle D. 4 spoons of sugar per 2 cups

11 24 % of 36 ☐ 36 % of 24

A. < B. = C. >

12 The area of the opposite parallelogram = _____ cm^2



A. 54 B. 48
C. 72 D. 34

13 2.5 % of 700 L.E. = _____ L.E.

A. $\frac{2}{5}$ B. 70 C. 175 D. 17.5

14 The height of a rhombus whose area is 100 cm^2 and side length 12.5 cm is _____ cm

A. 7 B. 8 C. 9 D. 10

15 The area of the triangle = _____

A. $\frac{1}{2}$ bb B. $\frac{b}{2} \times h$ C. $\frac{1}{2}$ hh D. $b \times h$

16 The point which is plotted on y-axis is _____

A. (5 , 0) B. (– 5 , 0) C. (0 , – 2) D. (– 2 , – 2)

17 Which of the following is a conversion factor ?

A. $\frac{4\text{ km}}{1\text{ hour}}$ B. $\frac{60\text{ min}}{1\text{ sec}}$ C. $\frac{1\text{ week}}{7\text{ days}}$ D. $\frac{1{,}000\text{ cm}}{1\text{ km}}$

18 If 111 × 23 = 2553 , then 1.11 × 2.3 = _____

A. 255.3 B. 25.53 C. 2.553 D. 0.2553

19 0.453 × 0.1 = _____

A. 0.0543 B. 4.53 C. 0.0453 D. 0.453

20 Which ratio is equivalent to 75 : 100 ?

A. $\frac{7.5}{1}$ B. 100 : 75 C. 140 : 200 D. 3 to 4

21 The point (3 , – 1) by reflection across the y-axis is the point _____

A. (– 3 , 1) B. (– 3 , – 1) C. (3 , 1) D. (1 , – 3)

22 54 L.E. for 9 kg , then the cost of 6 kg is _____

A. 36 B. 9 C. 27 D. 45

23 If the ratio between two numbers is 2 : 5 and the smaller number is 20 , then the greater number is _____

A. 8 B. 30 C. 70 D. 50

24 A car consumes $\frac{1}{10}$ liter of petrol to cover 1 km , then it covers _____ km per liter.

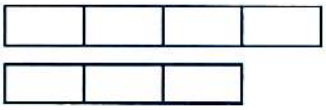
A. 1 B. 5 C. 10 D. 20

25 From the opposite equivalent ratios , A + B = _____

4	36	B
9	A	36

A. 98 B. 97 C. 96 D. 95

26 The opposite tape diagram represents the ratio _____



A. 3 : 4 B. 4 : 3

C. 1 : 3 D. 3 : 5

27 A parallelogram with area 48 cm^2 and base length 6 cm , then it's corresponding height is _____ cm

A. 9 B. 8 C. 7 D. 8.5

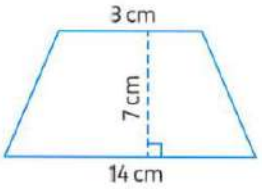
28 From the opposite table , the value of the unknown = _____

Whole	Part	Percent
Unkown	54	20 %

A. 270 B. 27

C. 2,700 D. 2.7

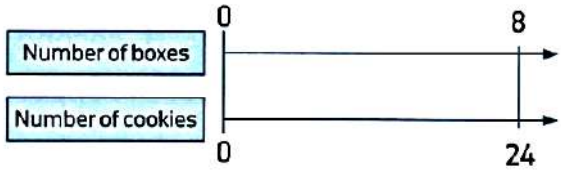
29 The area of the opposite trapezium = _____ cm^2



A. 56 B. 77

C. 98 D. 38.5

30 There are 24 cookies in 8 boxes , then the number of cookies in 3 boxes using double number line is _____



A. 3 B. 9

C. 12 D. 18

31 ABCD is a parallelogram of area 200 cm^2 , AB = 20 cm and BC = 40 cm , then the smaller height is _____ cm.

A. 10 B. 5 C. 160 D. 180

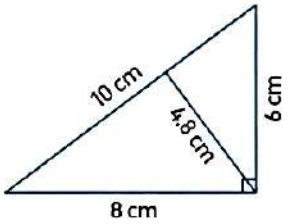
32 The point (– 2 , – 3) lies in the _____ quadrant.

A. first B. second C. third D. fourth

33 If 48.36 ÷ 7.8 = 6.2 , then 4.836 ÷ 0.78 = _____

A. 0.62 B. 6.2 C. 62 D. 620

34 Which expression represents the area of the drawn triangle ?



A. $\frac{1}{2} \times 6 \times 10$ B. $\frac{1}{2} \times 4.8 \times 8$

C. $\frac{1}{2} \times 6 \times 8$ D. $\frac{1}{2} \times 8 \times 10$

35 The volume of a cuboid of dimensions 12 cm , 9.5 cm and $4\frac{1}{4}$ cm is _____ cm^3

A. 484.5 B. 540 C. 432 D. 480

36 $1\frac{3}{5}$ = _____ %

A. 1.6 B. 60 C. 160 D. 16

37 55 % ☐ $\frac{2}{5}$

A. < B. = C. >

38 If the x-coordinate of a point is zero , then the point lies _____

A. in 1st quadrant B. in 2nd quadrant C. on x-axis D. on y-axis

39 The point _____ lies in the 1st quadrant.

A. (2 , 3) B. (– 1 , 2) C. (4 , – 3) D. (– 6 , – 2)

40 The surface area of the cube = _____

A. S^2 B. S × S × S C. 6 × S × S D. S + S + S

41 If the ratio between two numbers is 2 : 3 and the first number is 6, then the second number is _____

A. 4 B. 6 C. 9 D. 12

42 The image of the point (– 2 , – 5) by reflection across the x-axis is the point _____

A. (– 2 , 5) B. (2 , 5) C. (2 , – 5) D. (– 2 , – 5)

43 The surface area of the rectangular prism is _____

A. l + w + h B. l × w × h C. 2l + 2w + 2h D. 2 × (lw + lh + wh)

44 25% of a number = 120, then this number = _____

A. 30 B. 2.5 C. 480 D. 360

45 **A percentage is a ratio its second term is**

(a) 10 (b) 20 (c) 50 (d) 100

46 **If: $\frac{b}{40}, \frac{3}{8}$ are equivalent ratios, then b = ...**

(a) 15 (b) 20 (c) 25 (d) 80

47 **The volume of cuboid whose dimensions are: 3 cm, 4 cm and 5 cm is = ... cm^3**

(a) 12 (b) 20 (c) 15 (d) 60

48 **If the base length of a parallelogram is 10 cm and the length of its corresponding height is 7 cm, then the surface area of the parallelogram = ... cm^2**

(a) 70 (b) 35 (c) 34 (d) 40

49 To convert from centimeter to meter, we multiply by the conversion factor

a $\frac{10cm}{1m}$ b $\frac{1m}{100cm}$ c $\frac{1m}{10cm}$ d $\frac{100cm}{1m}$

50 % = 0.9

a 9 b 90 c 900 d 0.09

51 $\frac{3}{5} \div \frac{7}{8}$ = ...

a $\frac{6}{40}$ b $\frac{40}{6}$ c $\frac{24}{35}$ d $\frac{35}{24}$

52 In a, we compare two quantities in different units.

a ratio b rate c percentage d area

53 The horizontal axis in the coordinate plane is called

a x-axis b y-axis c origin d ordered pair

54 is a ratio its second term = 100 and denoted by (%).

a Unit rate c Rate
b Conversion factor d Percentage

55 The reciprocal of $\frac{1}{3}$ is

a 0.6 b $\frac{1}{3}$ c 3 d 0.3

56 The distance between the two points (2 , 3) and (7 , 3) is units.

a 3 b 4 c 5 d 7

57 A bag has 4 blue balls and 12 red balls, then the ratio between the red ball to the blue balls = ...

a 1 : 3 b 3 : 4 c 3 : 1 d 1 : 4

58 12 : 20 = ... in the simplest form

a 3 : 2 b 5 : 7 c 5 : 3 d 3 : 5

59 The reciprocal of $\frac{3}{5}$ is

a 3 b $-\frac{5}{3}$ c $\frac{5}{3}$ d $-\frac{3}{5}$

60 1.25 ÷ 2.5 = ... ÷ 25

a 12.5 b 1.25 c 0.125 d 125

61 If the height of a rhombus is 5 cm, and its area = 35 cm^2, then its side length = ... cm.

(a) 3 (b) $-\frac{5}{3}$ (c) $\frac{5}{3}$ (d) $-\frac{3}{5}$

62 20 % of 90 pounds = ... pounds

(a) 9 (b) 18 (c) 27 (d) 180

63 The image of the point (-4 , 4) by reflection across x-axis is

(a) (-4 , 4) (b) (4 , 4) (c) (-4 , -4) (d) (0 , 0)

64 Ali reads 21 pages in 7 days, then the rate = ... pages/day

(a) 21 (b) 7 (c) 3 (d) 28

65 $\frac{3}{8} \div \frac{1}{8}$ = ...

(a) $\frac{3}{64}$ (b) $\frac{3}{16}$ (c) $\frac{1}{3}$ (d) 3

66 7.3 : 0.5 73 : 5

(a) = (b) < (c) > (d) otherwise

67 The ratio 4 : 5 = ...

(a) 10 : 8 (b) 6 : 10 (c) 8 : 10 (d) 10 : 6

68 2.1 × 0.3 = ...

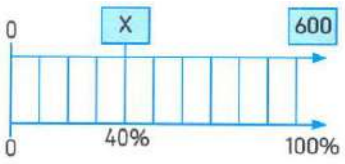
(a) 63 (b) 6.3 (c) 0.63 (d) 0.063

Complete:

1 3.4 × 0.2 = _____

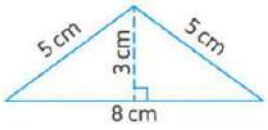
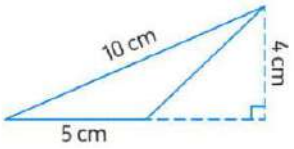
2 The point (4 , 7) by reflection across the x-axis is the point _____

3 From the opposite double number line , x = _____



4 5 % of 600 kg = _____ kg

5 20 % + 50 % = _____

6	If 3 : 7 is equivalent to 21 : x , then x = _____
7	2.32 ÷ 0.4 = _____ ÷ 4
8	Area of parallelogram = _____ × _____
9	25 % ÷ $\frac{1}{4}$ = _____ %
10	The point (a , 5) lies on the y-axis , then a = _____
11	2 to 5 = _____ %
12	The reciprocal of $\frac{4}{9}$ is _____
13	0.5 × 0.2 = _____
14	4.84 ÷ 0.8 = _____
15	_____ % of 600 L.E. = 120 L.E.
16	A point is located 3 units to the right of the origin point and 2 units up , then the point is (_____ , _____)
17	If the side length of a rhombus is 10 cm and it's height 3.4 cm , then it's area = _____ cm^2
18	Start at the point (5 , 3) and move 2 units left and 4 units up , then the end point is _____
19	The area of the opposite triangle = _____ cm^2 
20	The point (4 , 2) is _____ units from the y-axis
21	The area of the opposite triangle = _____ cm^2 
22	$\frac{3}{4}$ of $\frac{4}{3}$ = _____
23	The point (– 3 , – 4) lies in the _____ quadrant
24	50% + $\frac{1}{2}$ = _____
25	The point (2 , 0) lies on the _____ -axis
26	**The ratio 14 : 42 = ... :** **(in the simplest form)**

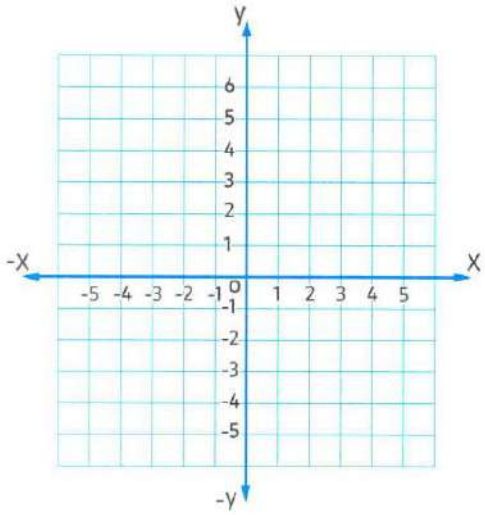
27	20% of 400 pounds = ... pounds
28	The distance between the points (-3 , 9) and (5 , 9) is unit length.
29	The reciprocal of $\frac{5}{9}$ is
30	If 30% of an amount of money is 60 LE, then this amount = ... LE
31	A rhombus of side length 10 cm and a height 7 cm, then its area = ... cm^2
32	6 kg = 6 × $\frac{\text{.....gram}}{\text{.....kg}}$ = ... gram
33	The number of heights of the obtuse triangle is
34	The first term of the ratio 5 : 7 is
35	$\frac{1}{7}$ of the number 28 = ...
36	If: $\frac{21}{a}=\frac{7}{4}$, then a = ...
37	The point (-3 , 2) lies in the quadrant.
38	Parallelogram of base length 8 cm and its corresponding height 6 cm, its area = ... cm^2
39	The price of a set of notebooks before discount is 200 LE, so its price after 10% discount is LE
40	The volume of cuboid of dimensions 5 m, 6 m and 3 m is m^3.
41	If 10% of an amount of money is 50 LE, then the total money is LE
42	The area of triangle whose base length 8 cm and its corresponding height 5 cm is m^2.
43	The surface area of a cube of side length 5 m is m^2.

44	The volume of a cuboid is 10 cm^3. if we doubled one of its dimensions, then its volume = ... m^3. if we doubled two of its dimensions, then its volume = ... m^3. if we doubled all its dimensions, then its volume = ... m^3.
45	The image of the point (3 , -2) by reflection across y-axis is the point
46	The distance between (-1 , 2) and (6 , 2) is units.
47	Ahmed has got 9 marks out of 10 marks, then his percentage = ... %

Essay Problems:

1	120 km per hour = ——— meter per min.
2	A man bought a T.V. set. He was given a 15 % discount of its marked price which was 8,500 L.E. **Find its price after discount.**
3	If the price of 15 pencils of the same kind is 112.5 L.E. Find the price of each pencil.
4	If the ratio between the number of red pens to the number of blue pens is 2 : 5 and the number of blue pens is more than the number of red pens by 6 pens , then the sum of all pens is ———
5	Each stone block in the Great Pyramid has a mass of about 2,300 kg. **How much is the mass of one block in grams ?**
6	The two base lengths of a parallelogram are 8 cm , 6 cm and the the smaller height is 3 cm **Calculate the greater height of the parallelogram.**

7 Plot the points A (3 , 4) , B (1 , 1) , C (0 , 4)
Join them and find the image of each one by reflection across the y-axis



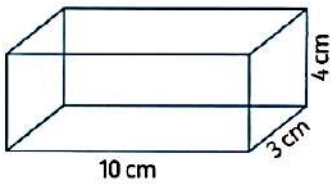
8 Two machines produce cloth , the first one produces 365 meters in 5 hours and the second produces 480 meters in 6 hours.
Which machine is better ?

9 Find the value of x :

1. $\frac{x}{8} = \frac{10}{20}$

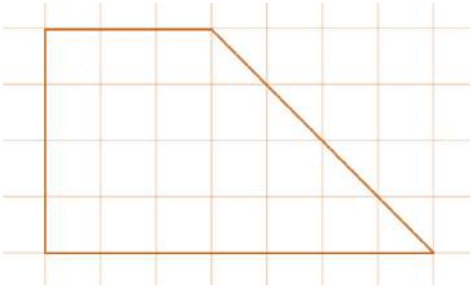
2. $\frac{x+1}{10} = 30\,\%$

10 Find the surface area of the opposite cuboid.



11 A runner covers 24 kilometres in 6 hours.
Find the distance he covers in 4 hours at the same speed.

48 **Find the area of the opposite trapezium:**



49 The opposite table shows that the price of 4 pens is 20 pounds.
The value of M = ...?
The value of K = ...?

No. of pens	4	M	8
The Price	20	60	K

50 Ahmed wants to distribute 21 kilograms of sugar equally into bags, where the mass of each bag is $\frac{3}{4}$ kg. So, how many bags are needed for that?

.....

51 10% of 30 students prefer the red color. How many students prefer the red color?

52 Adham has 3 meters of a rope. How many pieces can he cut the rope into if each piece is $\frac{3}{4}$ meter?

53 Find the surface area of cuboid of dimensions 10 cm, 5 cm and 6 cm.

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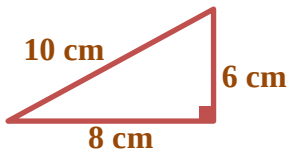
54 The ratio between number of lions to the number of cats is 2 : 7 and their sum is 45. Find the number of each.

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55 Find the area of the opposite right triangle

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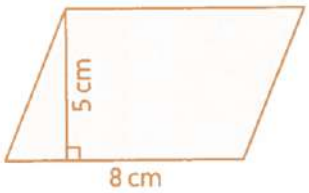
56 There are 700 pupils in a school. One day 10% of them were absent. Find the number of the present pupils.

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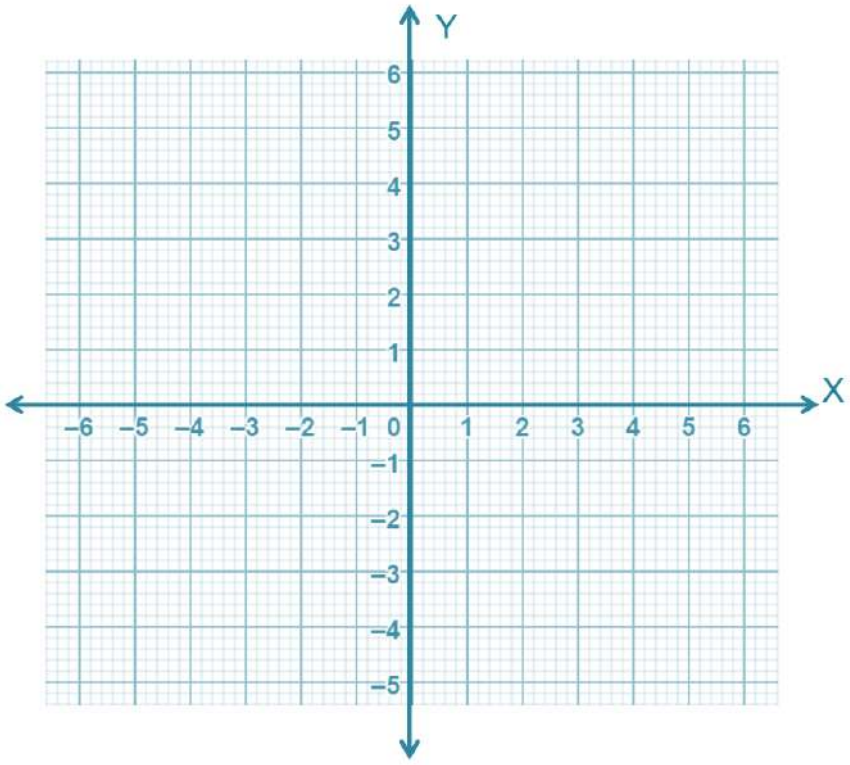
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57 Find the area of the opposite parallelogram

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58 **Plot the points A(3 , 2), B(-1 , 2), C(-1 , -3) and D(3 , -3) on the coordinate plane, then connect the points in order. What is the name of the polygon ABCD?**



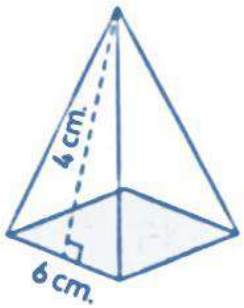
59 **Find the surface area of the opposite square pyramid.**

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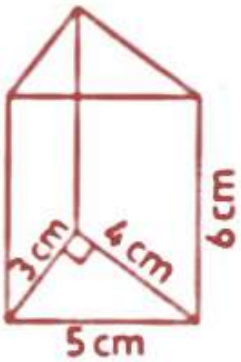
60 **Find the surface area of the opposite triangular prism.**

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كيفية طباعة صفحات معينة من ملف معين

مثلا ازاى نطبع الصفحات من صفحة 4 الى صفحة 9

